

**MINE SITE VISIT REPORT  
NAVAJO AML RECLAMATION DEPARTMENT**

Date(s) of visit: March 9, 1998

Mine/Project Name: Cameron-3 Project, Cameron, Az.  
Monument Valley-3, Monument Valley, Az.

Duration of Visit: 7 hours at CP-3  
1 hours at Mon-3

**Observation:**

This morning Madeline Roanhorse, Ray Russell, Perry Charley, Ernest Greyeyes, Ben Zahne, Jack Boyd and I performed the final inspection for the Cameron-3 Project. We started the final inspection at NA-0155 a and b. The final verification data for this site showed two areas that exceeded the 25 pCi/gm guideline. Reviewing the verification data with Ben Zahne, he informed me that Joe Augustine, Tseyi Corporation supervisor had his personnel go back to these areas and place additional cover material after the verification data was collected. Scanning the area where the anomalies were at the dose rates were at background levels. This area was rechecked and the area was below the 25 pCi/gm guideline. One area of concern was a drainage problem was starting at the northwest corner of site NA-0155b. At this location the fall rains had started a drainage in the area where the waste pile was buried. North of this location in the undisturbed area is natural outcrops of elevated ore material. On the northeast section of NA-0155a a runoff drainage had established because the area was scarified with the slope, instead of perpendicular to the slope. A final inspection was done on the sites located on the south side of the Little Colorado River and during that inspection this problem was not addressed, so it was determined that AML will monitor the drainage.

We did not visit NA-0166 because, this site was inspected after it was completed last summer/fall. Final verification radiological data shows that the site is below AML's guideline for Ra-226 concentration. Dose rates in some areas exceed fifty  $\mu\text{R}/\text{hr}$  and based on discussion with Ben Zahne, Ben said natural outcrops in the area attributed to the elevated dose rates.

We visited Sites NA-0163, 172 a and B, 173, 174 and 175. Final verification data for these sites are well below the guideline established for AML reclamation sites. Currently Tseyi Corporation is waiting for the concrete at the spill way to cure. The spill way is the one of the final projects Tseyi will need to complete.

Guy Horsen, Trades Helper informed me that all of the equipment have been radiologically released and all of the equipment came out clean.

After the inspection, I did a site visit at the Monument Valley-3 Project to find out the progress of the final verification at Monument No. 1 project area. Delbert and Collette are collecting the final verification for this site and so far they haven't encountered any problems. Henry Bichitty informed me that Weeminuche should finish this site about Monday and at the same time will be mobilizing to Black Rock the same day.

**Contact(s):**

AML staff: Madeline Roanhorse, Ray Russell, Perry H. Charley, Deb Misra, Ben Zahne, Guy Horsen, Ernest Greyeyes, and Rose Hoskie.

Tseyi Corporation: Jack Boyd, Kee D. Chee, and Guy Truex.

**Recommendations:** None

Submitted by:

A handwritten signature in black ink, appearing to read "C. Charley". It is written in a cursive style with a large, stylized initial "C".

**Title:** Health Physicist

Received & Noted:  
Date:

**TRIP REPORT  
NAVAJO AML RECLAMATION PROGRAM  
DEPARTMENT NO. 94**

- |   |                               |
|---|-------------------------------|
| 1. Travel Authorization No. 884952  | Date Submitted: March 6, 1998 |
| 2. Destination: Cameron 3 Project area.   |                               |
| 3. Objectives: To monitor the final stage of spillway construction (concrete pouring) at the project site on 3/3/98 and conduct Final Inspection on 3/5/98. |                               |
| 4. A) Summary of trip, including person(s) and organization(s) contacted, and date(s):  |                               |

3/2/98: Started from Window Rock at 5:20 p.m. and reached Cameron at 9:20 p.m.

3/3/98: Arrived at the spillway construction site at 7:50 a.m. but the concrete pouring work was delayed until afternoon. Went to the Tuba City AML Field Office and worked on reorganization documents and faxed these to the Window Rock Office. Observed the concrete work at the spillway site at Cameron in the afternoon. The work was good. Gabion mattress was absent at certain portion of the spillway. Advised the Contractor to cover these areas with gabions. Traveled from Cameron to Gallup to attend a Staff Meeting in Window Rock on 3/5/98.

3/4/98: Attended an important Staff Meeting and discussed the department's reorganization plan and creation of the Engineering and Project Coordination Sections. At 5:15 p.m. started travel from Window Rock with Mr. Ray Russell to attend next day's Final Inspection of the Cameron 3 Project and arrived at Cameron at 8:30 p.m.

3/5/98: Met with Messrs. Ray Russell, Perry Charley, Ernest Grayeyes, Carl Holiday, Ben Zahney, Guy Horsen, Frankie Allison, and Jack Boyd (Contractor). During the Final Inspection, all the sites except NA-0166 (which was visited earlier and found to be in good condition) were visited. Very minor erosion was noticed at Site NA-0155-B. No immediate action is necessary at this time but the site will be monitored during the 2 year warranty period. All other sites are in good condition and the reclamation work is acceptable. Radiological clean-up meets the Department's standard. The spillway work is complete but needs some more compacted fill material against and upstream of the recently poured concrete spillway, as well as compaction of the top layer of the extended dike. The Contractor will finish this work, as well as demobilization, final clean-up and ripping of the equipment yard next week. Upon submission of the lien waivers and other documents required by the Contract Documents, the retainage amount will be paid to the Contractor, except a \$1,000.00 deduction as security for the Coal Mine Mesa Project (as agreed), which is Contract Modification #1 for the Cameron Project 3.

Xc: PHC/Ernest Grayeyes

Received & Noted:  
Date:

TRIP REPORT  
NAVAJO AML RECLAMATION PROGRAM  
DEPARTMENT NO. 94

1. Travel Authorization No.                                  Date Submitted: February 25, 1998
2. Destination: Cameron 3 Project area.
3. Objectives: To monitor spillway construction and geotechnical testing works at Cameron 3 Project..
4. A) Summary of trip, including person(s) and organization(s) contacted, and date(s):

2/24/98: Arrived at 11:20 a.m. at the spillway construction site under the CP-3 Project. Met with Messrs. Ernest Grayeyes, Guy Horsen, Frankie Allison and Jack Boyd (Contractor). Installations of the riprap-filled gabions in the main spillway is complete. Dike extension is almost complete. Compaction/moisture testing was done by Western Technologies (geotechnical consultant). Test results are acceptable. Installation of the gabion mattresses are in progress. But work stopped due to bad weather (rain, mud, wind etc.) At 12:00 noon. Once the spillway is complete, the Contractor will re-grade/realign the existing channel. The spillway needs 3 cu. yds. of concrete but the Contractor will receive 6 cu. yds. (this is the minimum delivery). I advised the Contractor to use up the extra concrete to reinforce the exposed ripraps in the spillway.

B) Recommendations: 1) I should be notified before the starting of the concrete work for spillway construction; 2) Mr. Grayeyes must assure by surveying that the finished spillway discharge elevation is 4,214 feet and the remaining spillway works conform with the technical specifications; and 3) the Contractor should request for the Final Inspection for the CP-3 Project after completing the spillway work.

Submitted By: S. Deb Misra, Professional Engineer.      Date: 2/25/98

xc: PHC, S/R AMLFO  
Ernest Grayeyes, T.C. AMLFO

Received & Noted:  
Date:

**TRIP REPORT**  
**NAVAJO AML RECLAMATION PROGRAM**  
**DEPARTMENT NO. 94**

1. **Travel Authorization No. 884923**      Date Submitted: February 23, 1998
2. **Destination:** Cameron 3 and Monument Valley 3 Project areas and Shiprock AML Field Office.
3. **Objectives:** To monitor spillway construction and geotechnical testing works at Cameron 3 Project; conduct construction inspection at Monument Valley 3 Project sites; and attend vendor demonstration of GPS Total Station surveying instrument.
4. **A) Summary of trip, including person(s) and organization(s) contacted, and date(s):**

2/17/98: Started from Window Rock at 5:45 p.m. and arrived cameron at 9:30 p.m.due to snowy weather.

2/18/98: Met with Messrs Ernest Grayeyes, Martin Charley (Soil Technician from Western Technology) and Jack Boyd (Contractor). Reclamation work at site NA-0175 is complete. Spillway construction work (placement of riprap-filled gabions) is in progress. The contractor has procured all materials for the work. The Soil Technician was using only nuclear densitometer to check compaction and moisture. I made sure that he also verifies the results by two Sand Cone tests per day according to the Technical Specifications. The test using results were acceptable. The Contractor made a minor mistake in gabion placement while Mr. Grayeyes and I were at another site; the mistake was immediately corrected. Concrete work will take place next week.

Conducted some surveying measurement work with Mr. Grayeyes at the livestock pond site to confirm certain design parameters. Finalized the technical specifications/maps for this additional work and faxed these to Tseyi Corporation for pricing. Traveled to Kayenta in the evening.

2/19/98: Met with Messrs. Melvin Yazzie, Glenn Benally, Carl Holiday, Henry Bitchitty, Nathan Sutherland and Contractor's Superintendent (Don). Reclamation earthwork at the Big Chief Mine, NA-0206, is complete. Revegetation work is remaining. At the Monument #1 Mine complex site, two new haul roads have been completed to shorten the hauling distances. One bulkhead is complete. Backfilling of the openpit on the top level is in progress. Due to unstable roof condition, one portal will be closed by backfilling method in stead of bulkheading. Work is proceeding smoothly.

The subsidence holes/cracks at the Moonlight Mine were surveyed so that a project map can be prepared. Traveled to Farmington in the evening.

2/20/98: Attended a GPS Total Station Instrument (Dual Frequency "Trimble" type) demonstration given by a vendor at the Shiprock AML Field Office. A land survey was conducted which gave acceptable results. We will compare this instrument with others in the market for future purchase.

Finalized the technical specifications/maps for the repair of settlement cracks at the Moonlight Mine (additional work under MV-3 Project).

**B) Recommendations:** 1) Mr. Perry Charley would negotiate the prices for additional works under the CP-3 and MV-3 Projects; and 2) I should be notified before the starting of the concrete work for spillway construction at CP-3 Project.

Submitted By: S. Deb Misra, Professional Engineer. Date: 2/25/98

X C: PHC, S/R AML FO

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FEB. 20, 1998, FRIDAY  
MINE/PROJECT NAME: Cp-3, NA-175  
DURATION OF VISIT: 0800 HRS. — 1130 HRS.  
PURPOSE OF VISIT: FINAL VERIFICATIONS.

WEATHER: OVERCAST / RAINING

OBSERVATIONS: 0800 HRS > @ SPILLWAY W/ FRANKIE ALLISON.

NOTE: BEN ZAHNE ON LEAVE TODAY, GUY HORSEN SICK LEAVE TO IHS...

@ SPILLWAY GUY TRUEAX, Bennie Clark, Dean Chee (H2O Truck)  
Kee Chee w/ Ernie G North of Pipe.

0830 > @ NA-175, CONT READING w/ FRANKIE (400'x600') Left.  
(N/E Section)



1100 HRS > Completed DATA COLLECT FOR FINAL VERIFICATIONS FOR NA-175  
"NO HOT SPOTS, CLEAN SITE!"

1130 > Repart SITE FOR RE-READS @ OTHER SITES (per Carl Holiday's  
REQUEST) BEGIN RAINING/SLEET, WINDY.

MOTOR BLADE #502 > Op. Henry Shorthair ripping @ NA-174, Completed NA-175

FOLLOW-UP:

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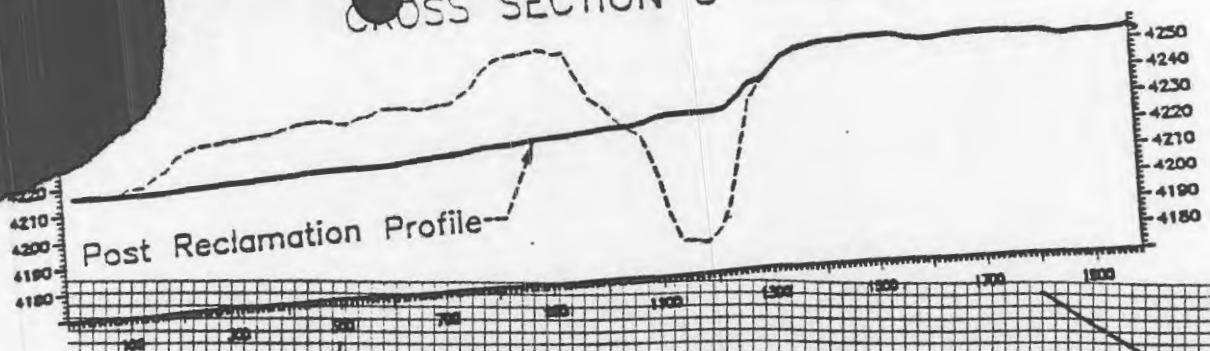
CONTACTS: ERNEST GREYEYES, FRANKIE ALLISON, BENNIE CLARK, HANK SHORTHAIR,

NAME: T. Delmar

CK

TITLE: EnTech-1

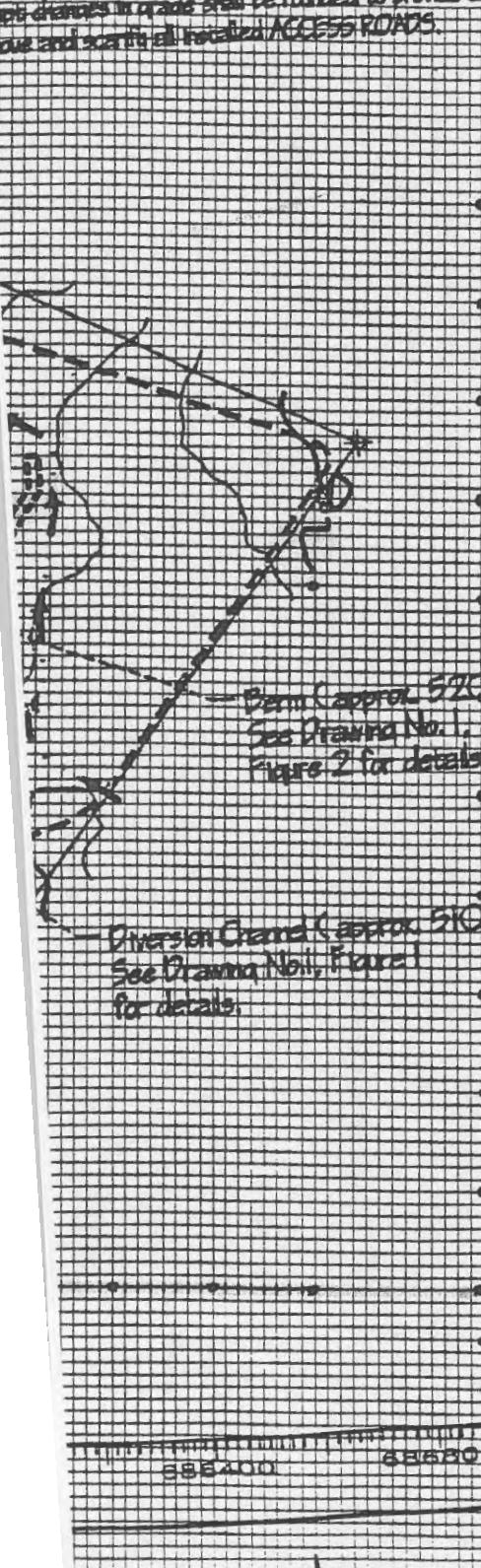
CROSS SECTION S' - S



NA-0173



all graded slope shall conform with specified contours and meet the OWNER's  
and cleanup guidelines.  
Soil surfaces shall be left rough and/or indented to prevent erosion and  
allow amounts of runoff to aid vegetation.  
Excavated areas shall be graded to prevent standing or standing water.  
When berms, terraces, and other structures shall be constructed, as needed,  
to future erosion by wind and water, and improve drainage.  
Grading shall be performed to provide a RECLAMATION area which blends well  
with the natural conditions and slopes of adjacent areas.  
Slope changes in grade shall be rounded to provide a pleasant visual effect.  
One end of the all installed ACCESS ROADS.



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CAMERON AML RECLAMATION PROJECT No.  
MAP No. 20: POST RECLAMATION MA  
NA-0175 RYAN No.

Contour Interval: 2 Feet  
Scale: 1 in. = 400 ft.

Site Area: 109.06 Acres

#### - RADIOLOGICAL DATA -

Background Measurement (contact): 3.64 pCi/  
Background Measurement (1 meter): 14.31 uR/h

#### LEGEND:

- Control Point (rebar)
- Road/Jeep Trail
- Drainage (with direction)
- Extent of Grading
- Site Boundary

#### NOTES:

1. Easting and Northing are in AZ State Plane (Central Z Grid Bearings).
2. Post reclamation radiological measurements should not exceed contact measurements of 25 pCi/gm. and/or one-meter measurements of 50 uR/hour.
3. Location of post reclamation contours are approximate.
4. All final slopes shall be less than or equal to 3:1.

Drawn By: T. Robbins Date: August 9, 19  
Approved By: S. Dels Mision Date: 2/11/91  
Revision(s): 10/24/96 - TR 245/91

THE NAVAJO NATION \* DIVISION OF NATURAL RESOURCES  
NAVAJO ABANDONED MINE LANDS RECLAMATION D  
Tuba City Field Office \* Tuba City, Arizona 86001

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUES. 2-19-98  
MINE/PROJECT NAME: CP-3, NA-175  
DURATION OF VISIT: 0800 HRS. — 1630  
PURPOSE OF VISIT: DATA COLLECTION FOR FINAL VERIFICATIONS.

Weather > Overcast, WINDY EASTERLY.

OBSERVATIONS: 0800 HRS. > ARRIVED @ NA-175, A.C. w/ FRANKIE A, GUY HORSEN, BEN ZAHNE. ERNEST G. @ SPILLWAY w/ KEE CHEE & CREW.

0820 HRS > ASSISTANT Director MR. RAY RUSSELL ARRIVES w/ P.R. HARLAN - CHATLEY. SITE TOUR w/ HARLAN CHATLEY, ERNEST w/ RAY - RUSSELL.

0900 HRS > CON'T READING SITE w/ GUY HORSEN, BEN ZAHNE w/ FRANKIE ALLISON. (READINGS ON CONTACT & @ 1-Meter). 0013-1.1



1200 > LUNCH @ A/C. RAY R. & HARLAN C. departed (@ 1030 AM)

1300 > BACK ON SITE & CON'T READING SITE NA-175



1600 HRS > Back @ A/C, Friskouts, Unrestricted release.

FOLLOW-UP: Con't Reading tomorrow (2/20/98).

CONTACTS: Ernest Greyeyes, Ben Zahne, RAY RUSSELL, HARLAN Yazzie Guy Horren, Frankie A, Kee Chee, Henry Shortnair

NAME: T. Dehnar CR

TITLE: En. Tech-1

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 2-18-98

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0800 HRS — 1600 HRS

PURPOSE OF VISIT: DATA Collection for FINAL VERIFICATIONS.

OVERCAST, COLD, WINDY TO EAST.

OBSERVATIONS: 0800 Hrs > Arrived @ A/C, NA-175

0810 > BEN ZAHNE Arrives @ A/C, Guy Horsen doing QC's on ESP-1's.  
w/ Frankie Allison.

0832 > ON SITE CON'T READING w/ GUY HORSEN.

BEN ZAHNE REMAINING w/ FRANKIE A.

0900 > Reb Misra observing @ SPILLWAY  
2nd GABION set up by Tseyi Corp.

1000 > Ernie G. Arrives @ SPILLWAY

1200 > LUNCH @ A/C.

1300 > CON'T READINGS for Final Verification.



1544 > BACK @ A/C, FRISKOUT - UNRESTRICTED RELEASE.

FOLLOW-UP:

1600 > Depart A/C, FOR FAML w/ Frankie Allison.

CONTACTS: ERNEST G., BEN ZAHNE, FRANKIE ALLISON, Guy Horsen.

Kee Chee, Henry Shortnair.

NAME: Troy Palmer CP

TITLE: En Tech-1

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE-2-17-98MINE/PROJECT NAME: CP-3, NA-175DURATION OF VISIT: 0800 hrs - 1520 hrs.PURPOSE OF VISIT: H.P. MONITOR, FINAL VERIFICATIONS.

MONDAY = 02-16-98 HOLIDAY OBSERVED, PRESIDENTS DAY.

Weather = COLD, WINDY & OVERCAST.

OBSERVATIONS:

0800 HRS > ARRIVED @ A/C W/ BEN ZAHNE, FRANKIE ALLISON.

GUY HORSEN @ A.C. DOING Q.C. ON ESP-1'S W/ SPA-3.

0820 > BEGIN DATA COLLECTIONS FOR FINAL VERIFICATIONS FROM  
WEST END OF BASELINE. ESP-1 #794 W/ SPA-3 #814 w/ GUY H.

BEN Z & Frankie Starting @ "A" LINE TO NORTH every 200'.  
0900 > @ SPILLWAY, ERNEST G., KEE CHEE, DEAN CHEE, GUY TRUEAX  
& BENNIE CLARK.

1200 > LUNCH @ MAIN YARD. MELVIN YAZZIE @ SPILLWAY.

1300 > BACK ON SITE CON'T READING FOR FINAL VERIF.

1330 > MELVIN YAZZIE DEPARTS FOR S/IZ N.M.

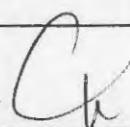
1509 > BACK @ A/C, CON'T READING TOMORROW.

EQUIPMENTS STILL @ MAIN YD. INCLUDE SCRAPERS #858/863  
DOZERS - D-9 H #995, #692, D-9 R #788, 2000 GAL. #T-144 H2O TRUCK.

FOLLOW-UP: @ SPILLWAY 5000 H2O TRUCK, SCRAPER #862  
#502 GRADER BLADE, COMPACTOR ROLLER #730  
#156 > SERVICE TRUCK, BACKHOE #271/615.

1530 > DEPART NA-175 W/ GUY HORSEN. BEN Z./FRANKIE @ SPILLWAY.

CONTACTS: ERNIE B., BEN Z., GUY H., FRANKIE A.  
MELVIN YAZZIE, HENRY SHORTHAIR, KEE CHEE

NAME: T. Demar TITLE: En. Tech-1

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: Fri. 2/13/98

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0800 hrs -

PURPOSE OF VISIT: 25x25' Grid Layout, Final Verifications

OVERTCAST/WINDY

OBSERVATIONS: 0820 hrs > On Site @ NA-175, Cont 25x25 Grid-Lay-  
out for Final Verifications w/ Ben Zenne, Frankie Allison, Guy Hor-  
sen.

ERNEST G. Monitoring work @ Spillway

'Henry Shorthair still ripping site @ N/w Section of 175  
#502 Grader Blade

1200 > Lunch @ Yd, Cont Final releases to Equipments.  
by Frankie & Guy.

1330 > Completed Grid Layout for NA-175

BACK @ A/C.

1400 > Report A/C For Tuba City AML.  
Catch up on reports, other @ E Office.

FOLLOW-UP: > BEGIN READINGS ON ~~Monday~~ Tuesday 2-17-98

CONTACTS: Ernie G, Ben Z., Guy H., Frankie A, Henry Shorthair.

NAME: T. Belman

TITLE: En Tech-1

*CK*

# MINE SITE VISIT REPORT

Navajo AMLR Department

Date(s) of Visit: February 12, 1998

Mine/Project Name: Spillway construction site under Cameron 3 Project.

Duration of Visit: 11:40 a.m. to 2:00 p.m.

Purpose of Visit: Monitoring construction work and verifying compaction and moisture testing.

**Observations:** Roughening of the reclaimed areas at site NA-0175 was in progress. Key has been cut for the foundation of the spillway and the dike extension. The contractor has increased the width of the gabion-spillway from 4.5 feet to 6 feet at his own expense. I have no problem with that since it will make the construction even stronger. The filter fabric is acceptable but the contractor must submit the specifications. The riprap contains a lot of stones larger than 8-inch in size. Instructed the contractor to break those large boulders to meet the specifications. Compaction/moisture tests are showing acceptable results. The Zone 1 (clay) material shall not be over-compacted (compaction of 90-92% of maximum Proctor density and moisture of 2% over optimum required). Part of the dike extension work at the north end is complete up to the ground level. Installation of the bottom layer of the gabion basket was in progress and the work was proceeding smoothly.

**Follow-up:** The contractor shall use riprap of specified size range only (3 to 8 inch, 50% 8-inch), submit all material specifications (filter fabric, concrete, riprap, gabions etc.) and must have a geotechnical technician onsite as long as tests are needed to ensure specified compaction and moisture. Due to the complexity of the construction work and the need to verify the compaction/moisture tests, I will conduct site inspection next week.

**Contacts:** Messrs. Ernest Grayeyes, Ben Zahne and Guy Horsen, and the Foreman of Tseyi Corporation (contractor).

Name: S. Joe Mison  
Title: Professional Engineer

cc: Perry Charley/Melvin Yazzie, Shiprock AMLFO for appropriate action.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURS. 2-12-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0800 HRS — 1600 HRS.

PURPOSE OF VISIT: HP. MONITORING, GRID-LAYOUT (25' X 25') FOR FINAL  
VERIFICATIONS.

WEATHER > CLEAR, SUNNY, WARM

OBSERVATIONS: 0800 HRS. > ARRIVED @ NA-175 W/ FRANKIE & GUY H.

0800 HRS > ON SITE @ NA-175, CONT 25' X 25' W/ FRANKIE A, BEN Z.  
Guy Husken @ WEST END SLOPES TD NORTH EAST SECTIONS.

1200 HRS > LUNCH

1230 Hrs > CONT 25' X 25' Grid Layout.

ERNEST G. @ SPILLWAY

TSEYI PERSONNEL (SKELETON CREW) GUY TRUEAX, DEAN CHEE, HENRY SHORTHAIR  
BENNIE CLARK, WAYNE YOUNELA, KEVIN HEALY (MECH.)  
DEB MISRA @ SPILLWAY.

1300 > CON'T Grid Layout ON SITE.

ADVISED KEE CHEE TO ISSUE BIOASSAY BOTTLES TO  
HIS PERSONNEL TOMORROW, WHEN HE'S ISSUING PAYROLL.

1530 > BACK @ A/C.

1600 > Report NA-175 for T-C AML.

FOLLOW-UP:

CONTACTS: Ernest G., Ben Z., Guy H., Kee Chee, Henry Shorthair.  
Frankie Allison.

NAME: Troy Delmar C

TITLE: En. Tech - I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 2-11-98

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 HRS.- 1500 HRS.

PURPOSE OF VISIT: HP. MONITOR, RADIOMETRICS, FINAL VERIFICATIONS.

WEATH. > OVERCAST & WINDY.

OBSERVATIONS: 0800 Hrs. > ARRIVED @ A/C W/ FRANKIE A. & GUY HORSEN - BEN ZAHNE.

0830 HRS> ON SITE @ NA-175 WEST FROM BASELINE, CON'T Grid LAYOUT @ 50'x50' (25'x25') w/ Guy Horsen & Ben Zahne, Frankie @ A/C.

TSEYI PERSONNEL WORKING @ SPILLWAY - KEE CHEE, Guy TRUEAX DEAN CHEE, HENRY SHORTRHAIR. COMPACTOR & DOZER D-9 R788.

1200 > Lunch @ A/C. UNIT #391345 BROKEN EXHAST LINE, Called motor Pool @ TUBA CITY FLEET MANAGEMENT, ADVISED they will TOW IT BACK THIS PM. (RADIATOR HOSE MOUNT BROKEN ALSO)

1300 Hrs > CON'T 25x25 Grid Layout w/ Ben Z. & Guy H.

Frankie A. @ A/C.

1500 Hrs > Back @ A/C Frishout & Unrestricted release.

1515 > Depart Site w/ Ben Z., Frankie A.

FOLLOW UP:

CONTACTS: Ernie G, Ben Z., Guy H, Frank A, Kee Chee, Henry Shorthair.

NAME: T. Delmar

TITLE: En Tech -1

**MINE SITE VISIT REPORT**  
**Navajo AML Reclamation Department**

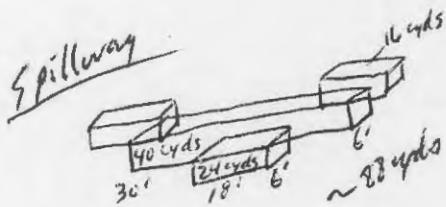
**Date(s) of Visit :** February 10, 1998

**Mine/Project Name :** NA-0175 and the spillway, Cameron 3 AML Project

**Duration of Visit :** 3.5 hours (10:30 am to 2:00 pm)

**Purpose of Visit :** Site inspection per the Contract Documents. Inspection with Perry H. Charley, Program Manager and S. Deb Misra, Engineer.

**Observations :** Upon arrival at the project site, Frankie Allison was monitoring at access control. Mr. Allison was working on counting some release samples for the equipment and updating the radiological documents. The project is starting to wind down. Site NA-0175 is complete with the Contractor, Tseyi, working on the final rough grading of the site with a motorgrader. Four (4) terraces have been installed within the eastern part of the main pit highwall. Ben and Troy were working on the grids for the project. The Contractor is starting the work on the spillway. Plans have been made to change the gabion basket width from 4.5 feet to 6.0 feet. This will increase the total amount of riprap required, but the Contractor is acceptable to this. Ernest and Guy are monitoring at the spillway. Mark is on site watching the compaction, Western Technologies. Work has begun on cutting the key for the gabion baskets. Available equipment are a dozer, backhoe, and compactor. All activities are running smoothly. The Contractor is planning on some demobilization of heavy equipment.



**Follow-up :** Continue monitoring the spillway work and make sure that the riprap meet the specifications. A field order will need to be written to document the change in gabion basket width from 4.5 feet to 6.0 feet. Ernest will be writing the field order. Make sure that the heavy equipment are released and that bio-assay samples are obtained for all exiting employees.

**Contacts :** Tseyi: supervisor - Kee Chee, NAMLRD - Perry, Deb, Ernest, Guy, Troy, Ben and Frankie. Western Technologies - Mark.

**Name :** Melvin H. Yazzie *MH Yazzie*

**Title :** Reclamation Specialist III

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 2-10-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0800 HRS — 1500 HRS.

PURPOSE OF VISIT: H.P. MONITOR, FINAL VERIFICATIONS.

WEATHER > OVERCAST. W/WIND EASTERLY.

OBSERVATIONS: 0800HRS > ARRIVED @ A/C W/ FRANKIE ALLISON, GUY HORSEN.  
ERNEST GREYEYES REQUEST FOR GUY HORSEN ASSISTANCE @ SPILL-  
WAY PROJECT. FRANKIE A. ASSIGNED TO A/C.

0830 HRS > CONT LINE EXTENSIONS @ (200' X 200') W/ BEN ZAHNE FOR  
FINAL VERIFICATIONS (PENTAX - PTS V-3, TOTAL STATION INTS.)

1130 > PROJECT MANAGER PERRY CHARLEY ARRIVE ON SITE W/ MELVIN-  
YAZZIE @ SPILLWAY. (Briefed Mr Charley <sup>ON THE</sup> ~~ON~~ progress of site)  
CONT 200' X 200' HORIZONTAL SHOTS. 2ND HALF OF NA-175.

1300 > Perry C. & Melvin Y. depart Site

1400 HRS > LUNCH @ A/C, AML STAFF.

1420 > CONT LAYOUT @ NA-175, GUY H., FRANKIE A BEGIN GRID-LAY-  
OUT @ 25' X 25' USING 200' TAPE & MARKING PAINT, OFF BASELINE.

1515 > BACK @ A/C — FNSKOUTS, Releases.

FOLLOW-UP: 1530 > Report Site for T.C. AML.

CONTACTS: Ernie Greeyes, Kee Chee, Henry Short hair, Ben Z, Guy H., Frankie Allison.

NAME: T. Rehman CR

TITLE: En. Tech - I

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 2-09-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0800 HRS. — 1530 HRS.

PURPOSE OF VISIT: HP. MONITORING, RADIOMETRICS, FINAL VERIFICATIONS.

WEATHER &gt; OVERCAST, SLEET &amp; RAIN, SNOW.

OBSERVATIONS: 0800 HRS. &gt; ARRIVED @ NA-175 W/ BEN ZAHNE (Tech II.)

0814 HRS &gt; @ SOUTH HIGHWALL FOR OBSERVATIONS.

MOTOR GRADER #502 CONT ON FINAL RIPPING ON NA-175 SITE.

1200 HRS &gt; LUNCH @ A/C.

1300 HRS &gt; BACK ON SITE, ASSIST ERNEST GREYCYES, ENG-TECH III W/ TOTAL STATION ALONG W/ BEN Z. (rodman) SHOTS FOR ELEVATION, HORIZONTAL- VERTICAL DISTANCES, SLOPES &amp; VOLUMES, etc.

1430 HRS &gt; BACK @ ACCESS CONTROL, ARRIVAL OF BOMAG-ROLLER FROM PRIME EQUIPMENT CO., BACKHOE FOR SPILLWAY PROJECT.

INITIAL SURVEY CONDUCTED BY GUY HORSEN &amp; FRANKIE ALLISON

BOMAG ROLLER #831730 — BACKHOE #832271

1440 &gt; DEAN CHEE, GUY TRUEAX, HENRY SHORTHAIR, KEE CHEE @ LITTLE COLORADO RIVER BANK, RESHAPING AREA, PACKING UP EQUIPMENTS, GENERATORS, WATER PUMPS, etc.

@ MAIN YARD, SERVICE PERSONNEL BENNIE CLARK &amp; WAYNE YOUNG

FOLLOW-UP: VELLA.

1520 &gt; BACK @ A/C, FOR FRISKOUTS, UNRESTRICTED RELEASE UNIT 391345

1534 &gt; Report f/n T.C. AML -

CONTACTS: E. GREYCYES, B. ZAHNE, G. HORSEN, F. ALLISON, KEE CHEE, GUY- TRUEAX, HENRY SHORTHAIR, BENNIE CLARK, WAYNE YOUNG

NAME: T. Delmar

CK

TITLE: En. Tech - I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 2-06-98

MINE/PROJECT NAME: C.P. 3, NA-175

DURATION OF VISIT: 0747 HRS - 1430 HRS.

PURPOSE OF VISIT: H.P. MONITORING, VERIFICATION (FINAL), RADIO METRICS.

CLEAR, WARM DAY.

OBSERVATIONS: 0747 HRS > ARRIVED @ NA-175 W/ FRANKIE ALLISON.

GUY HORSEN W/ FRANKIE A. DOING FINAL RELEASES ON D-9 H 995-SCRAPERS 858, 859. STORAGE TRAILORS, A.C. TRAILORS OTHER REMAINING EQUIPMENTS, etc.

0800 > ON SITE @ NW END ALONG BASELINE, MOTOR BLADE #502 DOING FINAL RIPPING. NOTE: DUE TO LARGE AREA TO BE RIPPED WE DECIDED TO HOLD OFF ON 25x25 Grid LAYOUT... UNTIL AFTER THE WHOLE SITE IS COMPLETED of FINAL RIPPING.

0900 HRS > SCANNED SPILLWAY W/ FRANKIE ALLISON W/ ESP-1 SPA-3.

READINGS @ 3.68E3, 3.89E3, 4.01E3, 3.10E3, 3.68E3, 3.70E3, 4.10E3, 4.60E3, 4.80E3, 3.99E3, 3.70E3, 4.01E3, 4.50E3, 3.89E3, 4.29E3.

NOTE: TSEYI CORP. SEPARATE AGREEMENT W/ LOCAL RANCHER RANDOLPH BEARD PERTAINING TD WATER POND @ LITTLE COLORADO RIVER. & ALSO DIKE @ North of NA-163 ALONG ROUTE 6730.

FOLLOW UP: 0950 HRS > BEN ZAHNE HEADS BACK TO T.C. AML OFFICE FOLLOW UP & REVIEW OF ALL ACCESS LOGS, DOSE RATE LOGS, ETC.

NATHAN SUTHERLAND ARRIVES W/ ESP-1/SPA-3, for Final Verifications.

1146 HRS > #502 BLADE, op. Henry Shorthair still Ripping @ 175. →

CONTACTS: Ernest Greyeyes, Frankie Allison, Guy Horser, Ben Zahne, NATHAN S., Kee Chee, Henry Shorthair, Bennie Clark, Guy TRUEAX, Dean Chee.

NAME: T. Petman

CH

TITLE: En. Tech-1

MINE SITE VISIT REPORT  
Nava AML Reclamation Department

Page : 2 of 2  
Date : 2-06-98

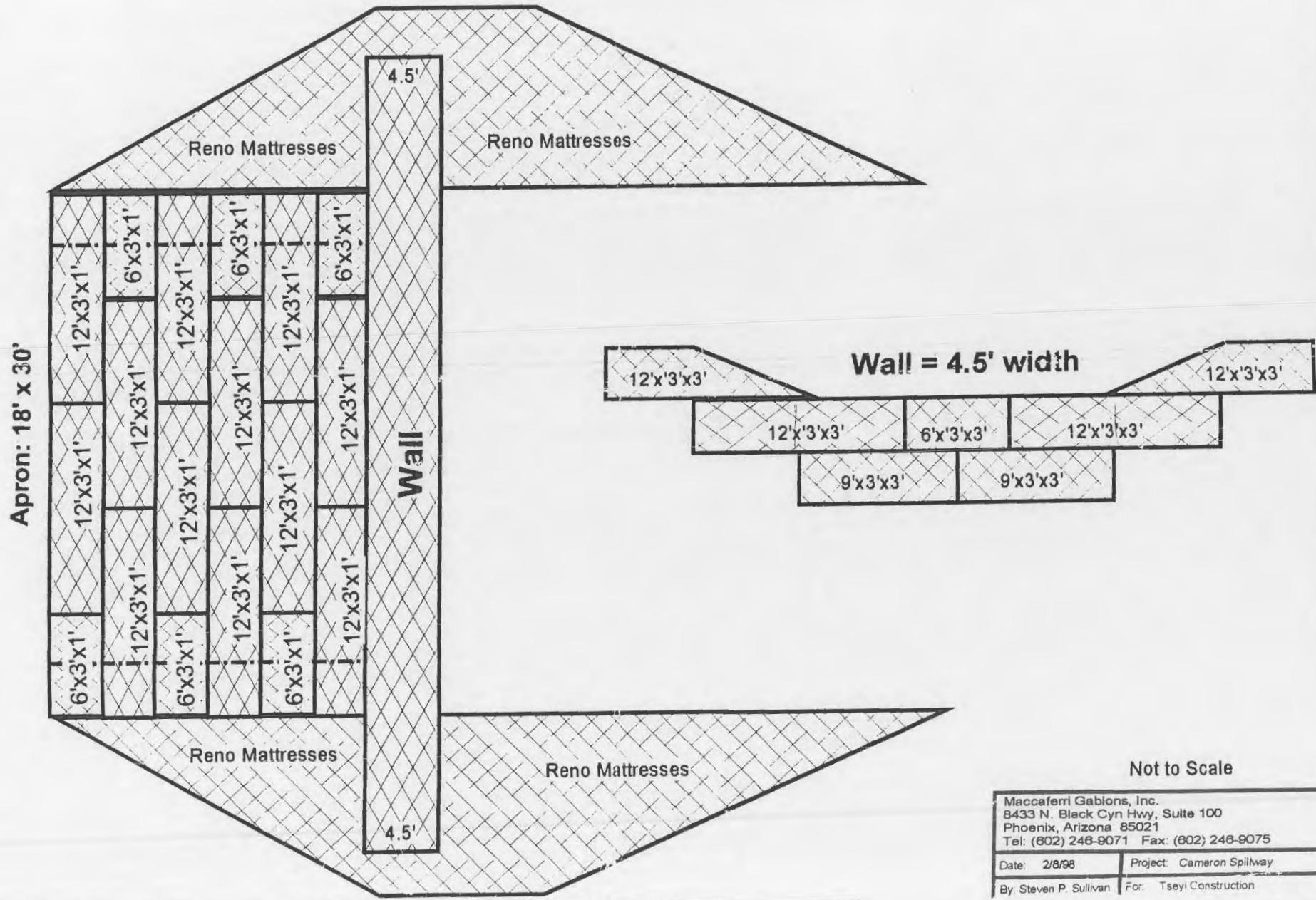
1200 Hrs > Lunch @ A/C. Shirley W. @ A/C, Advised & Requested for BIOASSAY.

1240 > @ South Highwall. Observing #502 Blade still ripping Carolyn Orell on Site taking Pictures of site.

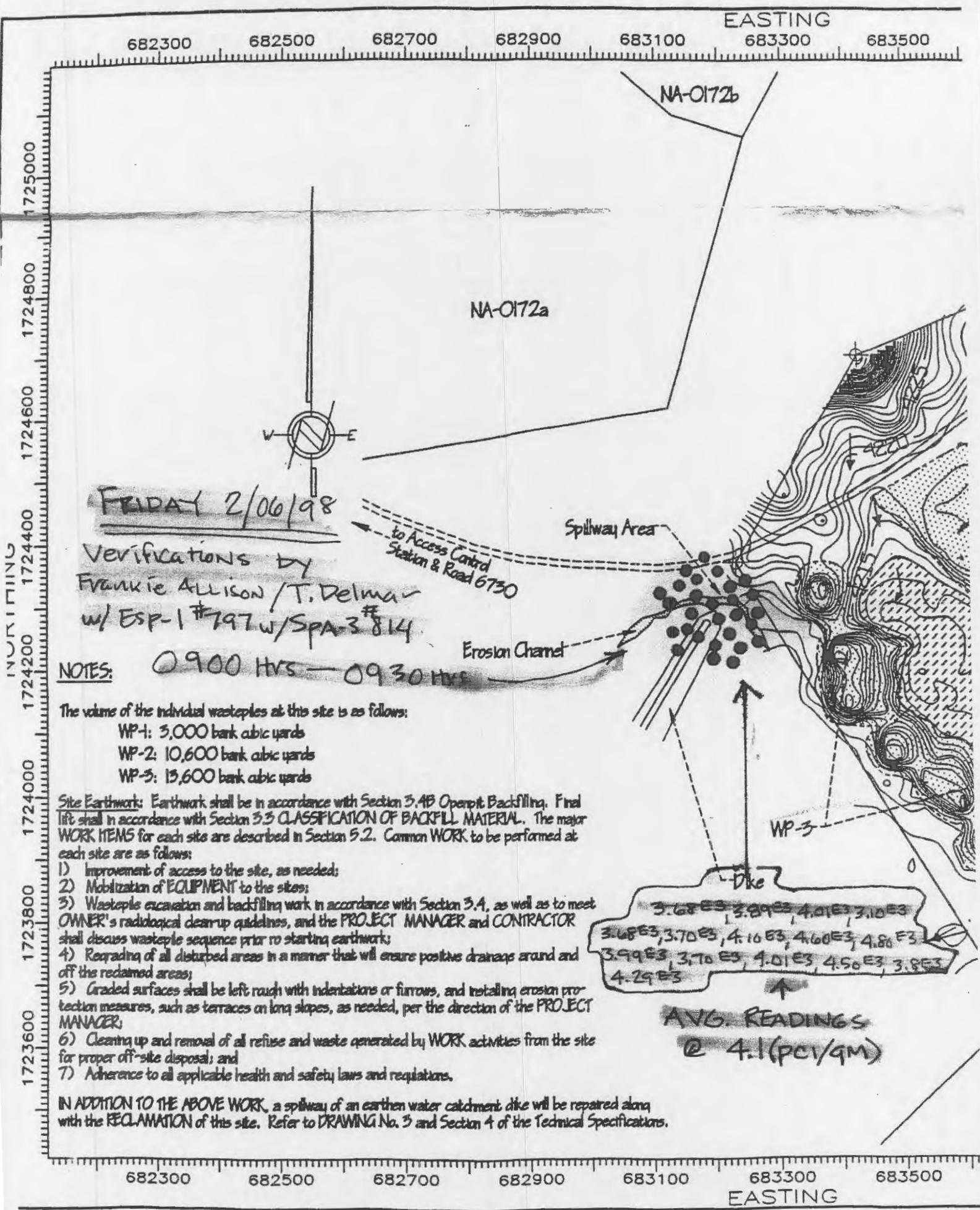
1400 Hrs > Kee Chee advised SHUT-DOWN, BACK @ A/C for Friskouts, Unrestricted releases.

CH

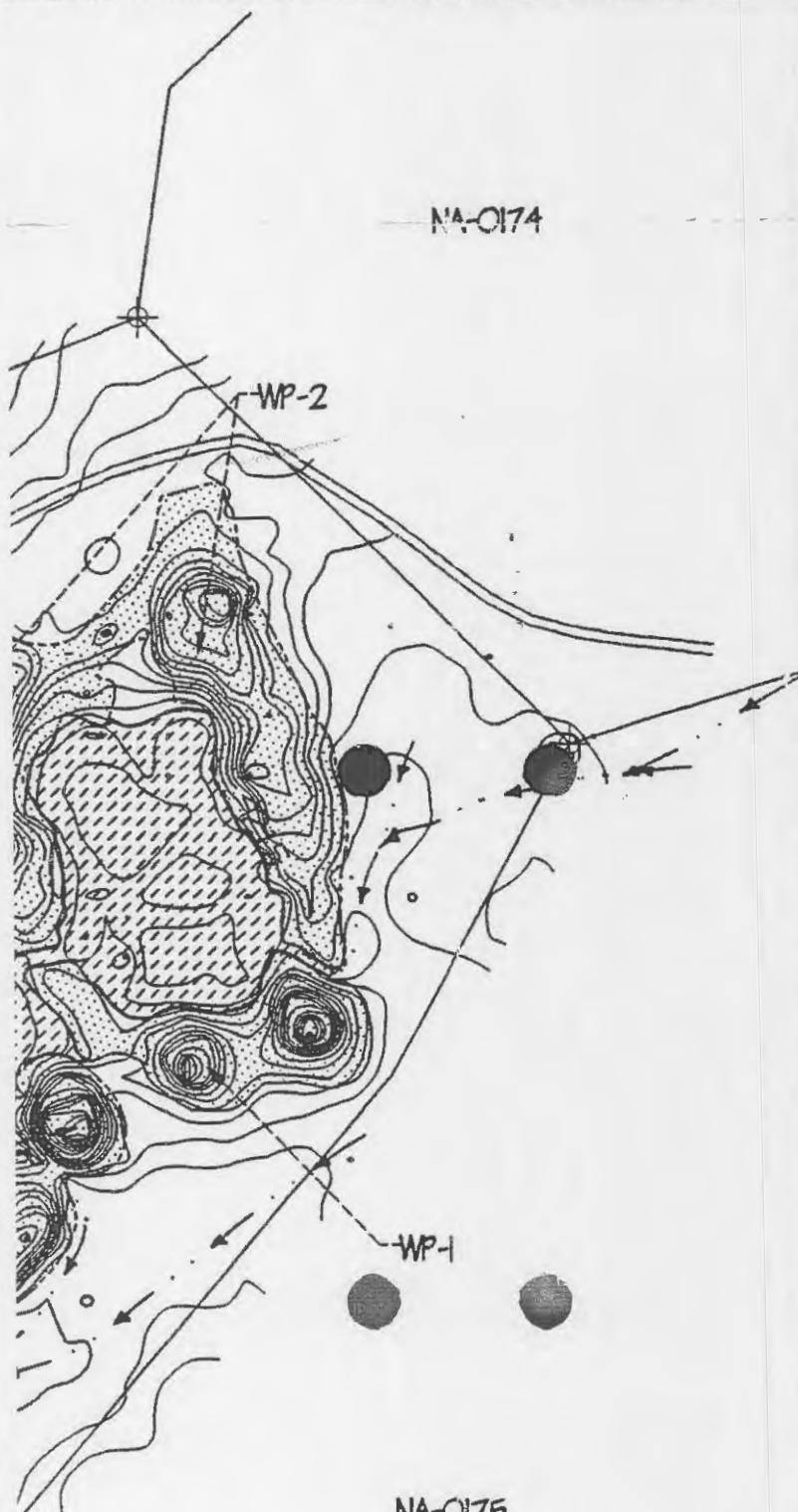
# Cameron Spillway



Maccaferri Gabions, Inc.  
8433 N. Black Cyn Hwy, Suite 100  
Phoenix, Arizona 85021  
Tel: (602) 246-9071 Fax: (602) 246-9075  
Date: 2/8/98 Project: Cameron Spillway  
By Steven P. Sullivan For: Tseyi Construction



383700 683900 684100 684300



NA-0174

WP-1

NA-0175

1725000 1724800 1724600  
1724400 1724200 1724000  
1723800 1723600

NORTHING



CAMERON AML RECLAMATION PROJECT No.3  
MAP No. 9: PROJECT MAP  
NA-0174 RAMCO No. 20

Contour Interval: 1 foot

Scale: 1 in. = 200 ft.

Site Area: 15.31 Acres

Total Volume of WP: 27,200 cu. yd.

- RADIOLOGICAL DATA -

Background Measurement (contact): 4.46 pCi/g

Background Measurement (1 meter): 15.61 uR/hr

LEGEND:

- Control Point (rebar)
- Road/Jeep Trail
- Waste Pile/Stock Pile (WP)
- Pit/Rimstrip (PIT)
- Drainage/Water Body (Arrows show direction of flow)
- Site Boundary

NOTES:

1. Easting and Northings are in AZ State Plane (Central Zone) Grid Bearings.
2. Post reclamation radiological measurements should not exceed contact measurements of 25 pCi/g and/or 1 (one) meter measurements of 50 uR/hr.
3. For Backfill Sequence, Please refer to appropriate sections of the Technical Specifications and Drawing No. 2.
4. For Post reclamation contours, refer to Map No. 19.

Drawn By: T. Robbins Date: Oct. 09, 1995

Approved By: S. Dels Mistr Date: 2/11/97

Revision(s): 10/23/96 - TR 2/5/41 - TR

Data Collected By: Tony Whitehorse, et al.

Date(s): February 25-27, 1992

THE NAVAJO NATION \* DIVISION OF NATURAL RESOURCES  
NAVAJO ABANDONED MINE LANDS RECLAMATION DEPT.  
Tuba City Field Office \* Tuba City, Arizona 86045

3700 683900 684100 684300

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 2-0<sup>5</sup>-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0730 Hrs — 1230 Hrs.

PURPOSE OF VISIT: HP. Monitor, Grid LAYOUT, Final verifications, etc.

Weather > Clear, Windy from north

OBSERVATIONS: 0730 Hrs > Arrived @ NA-175 A.C. w/ FRANKIE ALLISON.

FRANKIE A, GUY H. @ A/C, (continues)

0738 Hrs > ON SITE @ FORMER W.P. 3, SCRAPER 863 w/ OP. Gilbert B.,  
DOING TOUCH UPS, Motor Grader Windrolling AREA @ FORMER W.P. 3  
TO FORMER W.P. 4.

0800 Hrs > KEE CHEE/ GUY TEUERAX MEASURING SLOPES FOR DRAINAGE CHANNELS  
PROJECTED CHANNELS OF 4 ON SLOPE, REDUCED TO 3 by Ernest G.

0820 > BENZ Arrives @ Site.

0900 Hrs > ERNEST G. Arrive @ site, REQUESTED ASSISTANCE FROM GUY HORSEN.

1100 Hrs - D-9<sup>#</sup> 788 > OP. Dean Chee Begin CUTTING CHANNELS @ South Slope.  
KEE CHEE, ERNEST G, GUY H., BENZ. ON SITE.

1200 > LUNCH . Briefing w/ Kee C. Ernie G, Ben Z. pertaining to final  
RIPPING by #502 Grader, ADVISED SINCE SITE NOT ELEVATED TO GO AHEAD

FOLLOW-UP: w/ FINAL RIPPING FIRST, FOLLOWED BY GRID-LAYOUT.

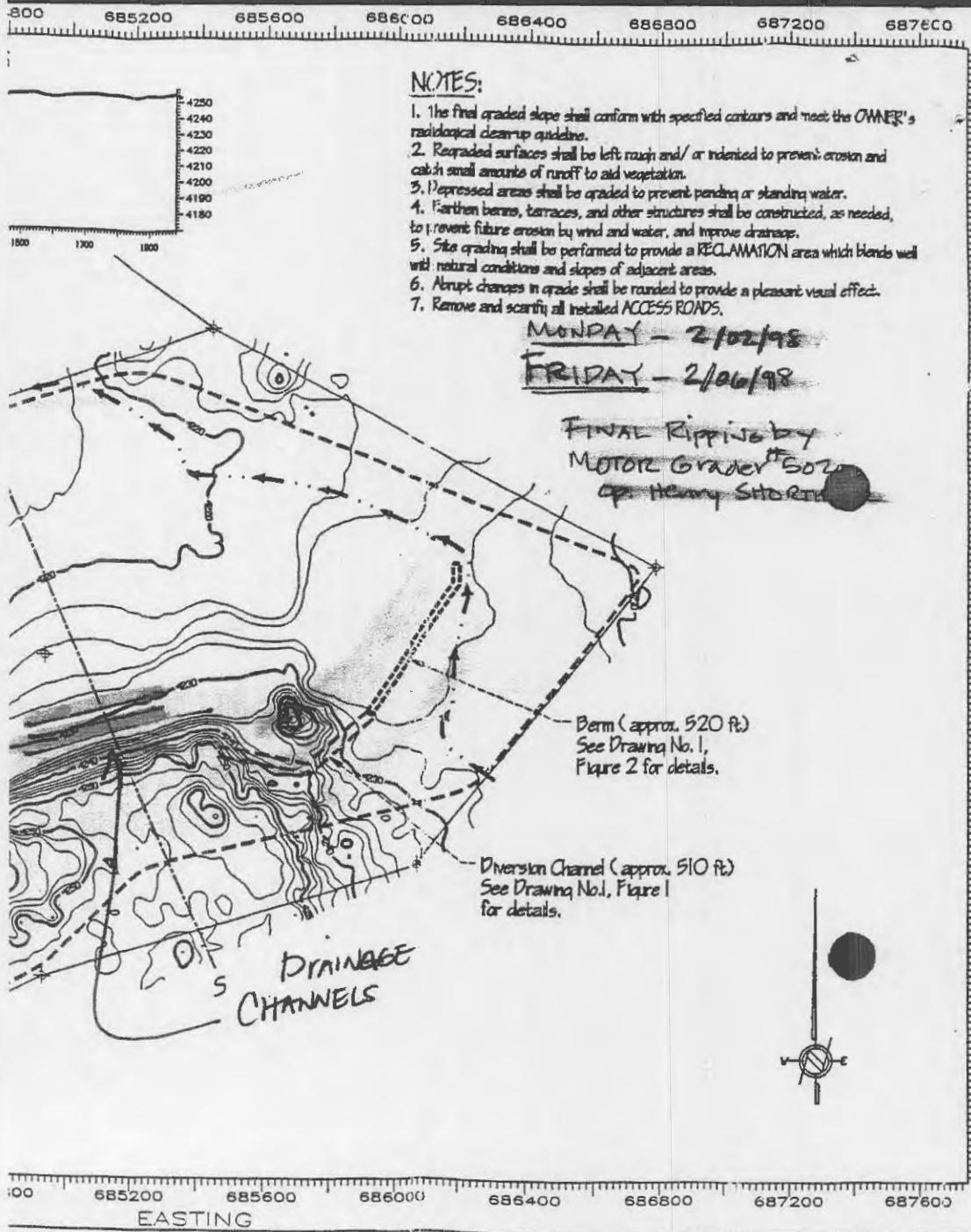
1230 > Report Site for T.C., prepare forms, reports for Final  
Verifications @ T.C. office.

CONTACTS: ERNEST G, BEN Z., GUY H, FRANKIE A. Kee Chee, Dean Chee, Henry S.  
Gilbert Benally, Loretta Williams, Wayne Youvella

NAME: T. Delmar

CK

TITLE: En Tech-1



CAMERON AML RECLAMATION PROJECT No.  
MAP No. 20: POST RECLAMATION M/  
NA-0175 RYAN No.

Contour Interval: 2 Feet

Scale: 1 in. = 400 ft

Site Area: 109.06 Acres

- RADIOLICAL DATA -

Background Measurement (contact): 3.64 pCi/

Background Measurement (1 meter): 14.31 uR/h

**LEGEND:**

- Control Point (rebar)
- ▲ Road/Jeep Trail
- Drainage (with direction)
- Extent of Grading
- Site Boundary

**NOTES:**

1. Easting and Northings are in AZ State Plane (Central Z Grid Bearings).
2. Post reclamation radiological measurements should not exceed contact measurements of 25 pCi/gram, and/or one-meter measurements of 50 uR/hour.
3. Location of post reclamation contours are approximate.
4. All final slopes shall be less than or equal to 3:1.

Drawn By: T. Robbins Date: August 9, 19

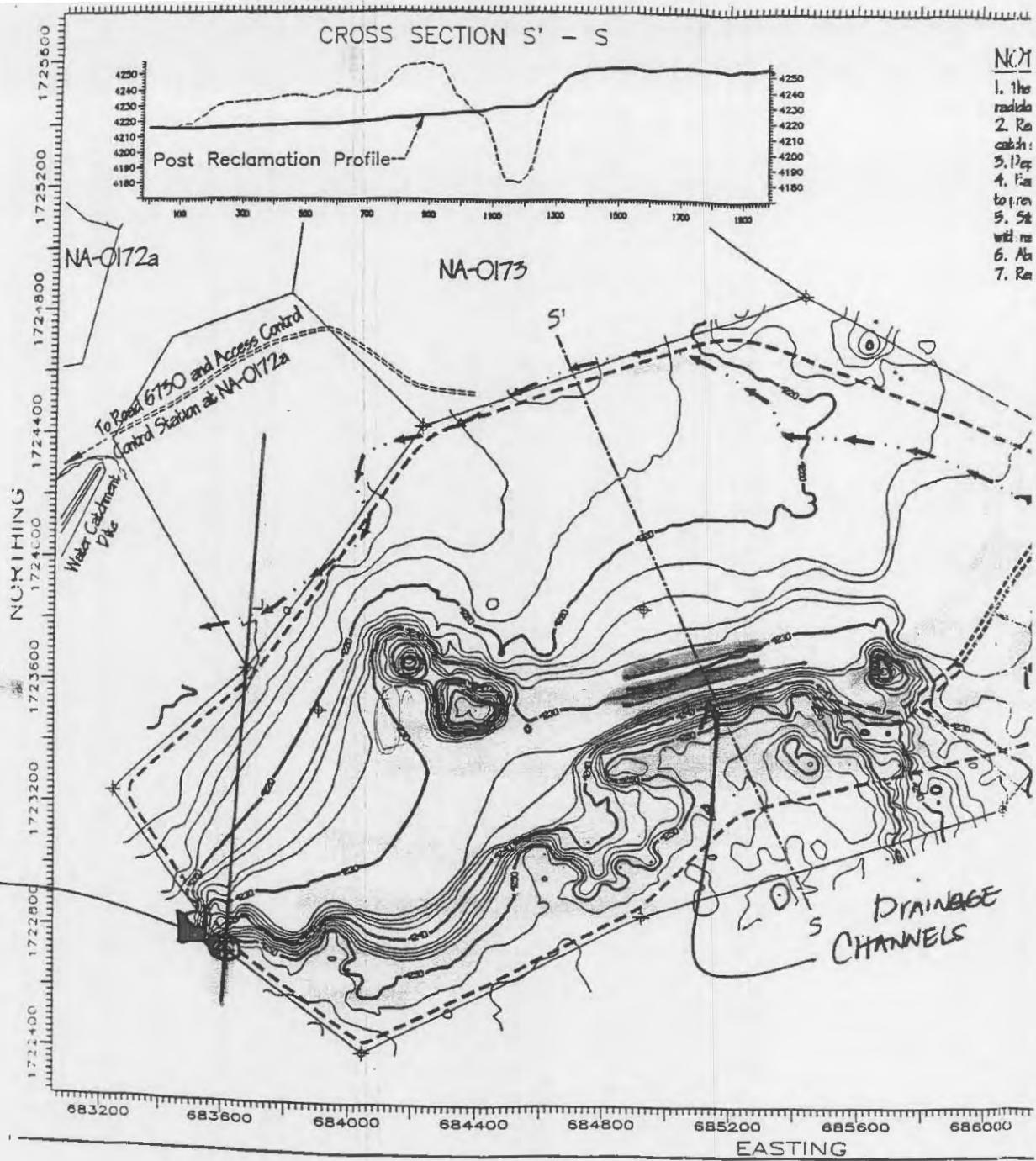
Approved By: S. Dela Misa Date: 2/11/9

Revision(s): 10/24/96 - TR 7/5/91

THE NAVAJO NATION \* DIVISION OF NATURAL RESOURCES  
NAVAJO ABANDONED MINE LANDS RECLAMATION DI  
Tuba City Field Office \* Tuba City, Arizona 86

## CROSS SECTION S' - S

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**MINE SITE VISIT REPORT**  
**Navajo AML Reclamation Department**

**Date(s) of Visit :** February 4, 1998

**Mine/Project Name :** Cameron 3 AML Project; NA-0175, -0174, and the Spillway

**Duration of Visit :** 5.0 hours (11:00 am to 4:00 pm )

**Purpose of Visit :** Cameron 3 AML site inspection per the Contract Documents, start preliminary work on the spillway repair, Contractor is Tseyi Corporations.

**Observations :** Access control, Ben Zahne and Guy Horsen, were working on paper work and counting swipes. They said that the project was going alright and they were caught up on their documentation. The only problem was that only one (1) ESP-1 and SPA-3 were available for final verification at project NA-0175. Two (2) of these units were assigned this project, but one was damaged by the Contractor during their frisking. This topic was already discussed with Mr. Carl Holiday. I will be contacting the Monument Valley crew tomorrow to have one of the units relayed. Troy, Frankie and Ernest were on site. The Contractor is working on the final grades. Two scrapers are hauling from wastepile #3 to the middle area of the former pit. Two bulldozers are rounding the two peaks in the middle of the pit on the northern bank. One motorgrader is leveling the areas that the scrapers are dumping. One water truck is being used. Today has been having some light rains, thus dust is not a problem. The Contractor will begin preparing to demobilize some of the other equipment, with only a few remaining behind, subject to the final inspection. In reviewing the overall project, there will be positive draining on all the slopes; the diversion berm installed at the east is approximately 900 feet, has a 10 ft. top width and is about 4 feet high; this diversion berm was supposed to be a channel leading into the berm but has been changed, this is not a problem; the slopes towards the eastern part of the open pit needs to have about 3 terraces installed; final rough grading will also be done; overall the pit looks good. The drainages entering from the east will be diverted by the diversion berm. Any small retention areas will eventually be backfilled with sediment. Deb arrived at the project site around noon time. When I stopped by the Tuba City office, Rose had informed me that Deb was having vehicle problems and would be late. Following Deb and I's review of the project, Ernest, Guy, Deb and I started laying out some points on the spillway and discussed the work. The centerline of the spillway was re-established and the points of reference located. The Contractor will start cutting to the specified dimensions by next Monday. Jack Boyd was on site and we briefly discussed the spillway work and the overall progress. Mr. Boyd said that they would be removing some of the equipment. They are still receiving some of the gabion baskets. Work on the spillway will start next week. Following the survey work at the spillway, we returned to the Tuba City AML office. Troy also requested some bio-assay bottles and I will notify Carl, travel to Kayenta for lodging.

**Follow-up :** Schedule a site visit next week if possible, work will be concentrating on the spillway. Deb and I also discussed the clay and sandy material requirements with Mr. Kee Chee who is the acting supervisor. Jack Boyd had already left. Mr. Chee does not appear knowledgeable with the spillway work. Mr. Boyd plans on bring in another individual for this work. Final rough grading will also be performed. We discussed some possible dates for the final inspection and told him that Mr. Boyd needs to give NAMLRD at least 1-weeks notice.

**Contacts :** NAMLRD: S. Deb Misra, Ernest Greyeyes, Ben Zahne, Troy Delmar, Guy Horsen, Frankie Allison. Tseyi Corporation: Jack Boyd and Kee Chee.

**Name :** Melvin H. Yazzie *M.H.Yazzie*      **Title :** Reclamation Specialist III

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 02-04-98

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 HRS - 1500 HRS

PURPOSE OF VISIT: H.P. MONITORING, FINAL VERIFICATIONS, RADIOMETRICS

WEATHER > OVERCAST / DRIZZLE, WINDY @ EASTERLY

OBSERVATIONS: 0700 HRS > ARRIVED @ Cp-3, NA-175, ACCESS CONTROL.

TRADES HELPERS FRANKIE ALLISON, GUY ~~TRUFAK~~ HORSEN @ A.C. DOING QC. ON RAD. INSTRUMENTS. JACK BOYD @ MAIN YARD w/ KEVIN HEALY.

0726 > SAFETY MEETING w/ JACK BOYD & CREW, KEECHEE, JERRY C. BEGAY, GILBERT BENALLY, LORETTA WILLIAMS, DEAN CHEE, WAYNE YONELLA, TERRY BEGAY, STELLA CLAW, HENRY SHORTHAIR & KEVIN HEALY.

SUBJECT ON REMINDERS TO SAFETY, FINAL STAGES OF REMEDIATION.

0739 > SAFETY MEETING ADJOURNED, PERSONNEL DEPART FOR SITE.

EQUIPMENTS ENTERING SITE, SCRAPERS TO W.P. 3 RESIDUAL, (2) DOZERS TO SOUTH HIGHWALL. DOZERS SCHEDULED FOR MOUND-OFFS @ ~~■~~ SOUTH SLOPES.

0800 HRS > SCRAPER #863 @ W.P. 3 (OP. GILBERT BENALLY) #864 > TERRY YAZZIE D9R#188 > OP. DEAN CHEE MOVING DOZER TO W.P. 3 FROM SOUTH SLOPES TO ASSIST \*863 SCRAPER. ON HAUL ROAD @ FORMER W.P. 4, #50Z GRADER > HENRY SHORTHAIR.

0900 > SCRAPERS TRANSFERRING W.P. 3 RESIDUALS TO DRAINAGE BERM @ EAST END

FOLLOW-UP: OF NA-174. AG READING w/ ESP-1 @ 7.8 (PCV/gm).

2000 GAL. H2O TRUCK #080, OP. STELLA CLAW ASSISTING SCRAPERS ON CHANNEL.

KEE CHEE, FOREMAN DIRECTING TRAFFIC IN THE IMMEDIATE AREA.

0930 HRS > BEGIN CONNECTING 100'x200' POINTS @ 25'x25' W/ ERNST G. @ BASELINE. →

CONTACTS: ERNIE G., BENZAHNE, GUY HORSEN, FRANKIE ALLISON, KEE CHEE, KEVIN HEALY OPERATORS > GUY ~~TRUFAK~~, DEAN CHEE, GILBERT BENALLY, HENRY SHORTHAIR, LORETTA WILLIAMS, STELLA CLAW.

NAME: T. DELMAR

Ch

TITLE: EN. TECH-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 2/04/98

1000 HRS > SCRAPERS 863/64 MOVE TO FORMER W.P. 5, ADVISED BY ERNEST G.

TO KEECHEE, ~~KEEP SITE TAKING SITES~~ <sup>(TH)</sup> ~~TOOK PITS~~

SLOPES NEEDED TO BE REDUCED SOME MORE, BEGAN SCANNING @

FORMER W.P. 5 W/ FRANKIE ALLISON (W/ MODEL 19 / ESP1 SPA-3)

MARCHED OFF SOME ELEVATED SPOTS (ABOUT 25' X 30' AREA) READINGS @ 4.39 E4

4.19 E4, 4.30 E4, 3.80 E4 (ADVISED KEE CHEE, ERNEST GREYES OF ELEVATED SPOTS)

1120 > MELVIN YAZZIE ENTERS SITE @ N/W END OF SITE.

AVG. READINGS @ FORMER W.P. 5 @ 7.9 (FCV/9H) (2) SCRAPERS (2) DOZERS (1) GRADER

(1) H2O TRUCK #080, BEGIN GRID LAYOUT @ SUTH SLOPES TOP PORTION.

1200 HRS. > LUNCH, ERNEST W/ MELVIN, SITE TOUR.

DEB MISRA ARRIVE @ A.C. (Signed PAF. For Melvin Yazzie)

1250 HRS > BACK ON SITE C SOUTH TOP OF SLOPES, CONT GRID-LAYOUT W/ FRANKIE A.

MELVIN Y., ERNEST G., DEB MISRA & GUY HORSEN BEGIN LAYOUT @ SPILL WAY -

NORTHWEST OF NA-174. SCRAPPERS 863/64 CONT FROM W.P. 3 TO PIT NEAR <sup>Former</sup>

FORMER W.P. #5. \*858 > Gilbert Benally 859 > Terry Yazzie

1430 > D-9 R#788 DOZER MOVE TO NATURAL SLOPES (KNOL) EAST OF FORMER W.P. 5.

#502 Motor Blade on ACCESS ROADS @ FORMER PIT VICINITY (WINDROLLING AREA)

1440 > W.P. 3 Completed, Scrapers 863/64 HEAD OFF SITE TO MAIN YD.

- BEGIN SCANNING SPILLWAY W/ FRANKIE A., AREA NOT ELEVATED

- READINGS @ 3.80 E3, 4.00 E3, 4.06 E3, 4.10 E3, 3.87 E4, 3.80 E3

New in Y, E.G, GH, Deb M. Still in AREA.

1510 > BACK @ A.C. to Report back to T.C. AML.

1520 > Report A.C. for ~~T~~.

TSEYI PERSONNEL BEING LAYED OFF TODAY INCLUDE - Jerry C Begay, Stella Claw

Terry <sup>(TH)</sup> Yazzie.

1/11

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 02-03-98MINE/PROJECT NAME: CP-3, NA-175 W.P.3DURATION OF VISIT: 0700 HRS - 1500 HRS.PURPOSE OF VISIT: H.P. MONITORING, VERIFICATIONS, RADIONICS.WEATHER > OVERCAST, LIGHT BREEZE TO EASTOBSERVATIONS: 0700 HRS > ARRIVED @ A/C STATION W/ FRANKIE ALLISON, ROUTINES BY GUY-HORSEN & FRANKIE ALLISON. (QC OF ALL RAD. EQUIPMENT UTILIZED)0715 > OPERATORS ARRIVING @ MAIN YARD & SIGNING IN @ A.C. BEFORE DEPARTING FOR SITE. CAROL ORELL (PALEO, N.AZ MUSEUM) ARRIVES @ ACCESS CONTROL FOR MONITOR.0734 > ON SITE @ EAST OF W.P. 3, (3) SCRAPPERS CONT'N ON W.P. 3 TO WEST END OF FORMER PIT (NA-175). #858 > JERRY C BEGAY #864 > TERRY YAZZIE\* #863 > GILBERT BENALLY, 2000 GAL #080 > STELLA CLAW.0840 > EAST END OF NA-175, KEE CHEE (FOREMAN) INSTRUCTING HENRY SHORTHAIR, #502 MOTOR BLADE OPERATOR. CREW TO WORK ON FORMING DIVERSION CHANNEL @ EAST END OF NA-175.0900 HRS. > ERNIE G. ARRIVES @ A.C. BRIEFING W/ KEE CHEE.ERNIE G. CONT'N CHANNEL/ELEVATION SHOTS, ASSISTED BY BEN ZAHNE.SCANNED RESIDUAL @ W.P. 3 W/ MODEL P9, READINGS @ 13, 12, 14, 15, 16-18, 15, 16, 14 (UPPER/HIGH)1000 > @ EAST END, (3) SCRAPPERS (1) DOZER 788 > DEAN CHEE BEGIN ON DRAINAGE CHANNEL, ERNEST, BEN Z., KEE CHEE @ IMMEDIATE AREA.FOLLOW-UP: DRAINAGE DUE APPROX. 3' IN HEIGHT & 500(+) FT.1300 HRS > SCRAPPERS MOVE FROM DRAINAGE CHANNEL TO SOUTH END @ NATURAL KNOB, NEAR FORMER PIT LINE. (ANG. READING @ 15 (UPPER/HIGH)).1200 > LUNCH, ALL PERSONNEL @ MAIN YARD, OPERATORS REQUIRED TO LOG IN-OUT, PRISKOUTS DONE BY TRADES HELPERS. → (over)CONTACTS: ERNEST G., BEN Z., FRANKIE A., GUY H., KEE CHEE, JERRY C BEGAY, TERRY YAZZIE, WAYNE YOVILLA, KEVIN HEALY, HENRY SHORTHAIR & JACK BOY Q.NAME: T. Lehman

CK

TITLE: En. Tech-1

MINE SITE VISIT REPORT  
Nava AML Reclamation Department

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Date : 2/03/98

1300 HRS > BACK ON SITE @ SOUTH HIGHWALL FOR OBSERVATIONS.

(3) SCRAPERS CONT @ W.P. 3 ALONG W/ D-9 #788 Dozer.

1442 > LAST STAGES OF W.P. 3, DOING FINAL TOUCHES ON BERMS, CHANNELS

SOME AREA'S BEING FILLED UP, DRAINAGE CHANNEL @ NA-174 EAST END.

1500 HRS > BACK @ A/C FOR DEPARTURE. UNRESTRICTED RELEASE TO UNIT 391345

1516 > Report Site for FML w/ Frankie Allison (TH.)

CK

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 02-02-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700-1500 HRS

PURPOSE OF VISIT: H.P. MONITORING, VERIFICATION, RADIOMETRICS

WEATHER &gt; OVERCAST / (BREEZE.. EAST) (NO PALEO Personnel, Today)

OBSERVATIONS: 0700 HRS &gt; ARRIVED @ ACCESS CONTROL STATION w/ FRANKIE ALLISON, T. H.

GUY HORSEN ARRIVED AHEAD OF JS, DOING QC ON ALL RAD. INSTRUMENTS.

OPERATORS ARRIVING @ YARD, SIGNING IN @ A.C. &amp; DEPARTING FOR SITE.

0734 &gt; ON SITE @ FORMER W.P. 04 (NOW NATURAL GROUND) OBSERVING.

FOREMAN KEE CHEE ASSIGNING &amp; INSTRUCTING HIS CREW @ W.P. 3 RESIDUALS)

SCRAPERS #858 &gt; OP. GUY TRUEAX, #859 &gt; OP. JERRY C. BEGAY, #864 &gt; OP. TERRY YAZZIE

SCRAPER #863 &gt; OP. GILBERT BENALLY 2000 GAL. T-144 &gt; OP. STELLA CLAW.

0745 HRS &gt; MOTOR GRADER BLADE #502 ENTERS SITE TO W.P. 3 / HAUL LOADS. OP. HENRY SHORTHAIR.

SCRAPER #864 MAL-FUNCTIONING &amp; DEPARTS BACK TO MAIN YARD, INSPECTION BY KEVIN HEALY. (MASTER MECH.)

0830 &gt; ERNEST GREYEYES, ENG.TECH III, w/ BEN ZAHNE, TECH II CONTINUE ON ELEVATION, SHOTS FOR NA-175 POST REMEDIATION. DOSE RATES @ W.P. 3 &amp; IMMEDIATE VACINITY.

READINGS OFF MODEL 10 C 12, 13, 14, 17, 18, 20, 22 (UREMYHR)

1030 &gt; SCRAPER #864 &gt; OP. TERRY YAZZIE BACK ON SITE C W.P. 3.

1100 HRS &gt; COLLECT DOSE RATES @ W.P. 3 TO FORMER MAIN PIT AREA'S FROM EAST END, MID-SECTION, WEST END. C 16, 17, 18, 20, 22, 24 - 20, 19, 18 - 17, 13, 14 (UREMYHR)

FOLLOW UP: 1200 HRS - LUNCH FOR ALL PERSONNEL @ MAIN YARD.

1226 HRS &gt; KEE CHEE HAULS TSEYI CREW BACK ON SITE C W.P. 3 &amp; SPILLWAY.

1330 HRS &gt; 4000 GAL. WATER TRUCK ON SITE, OP. LORETTA WILLIAMS @ SPILLWAY.

1400 HRS &gt; @ SPILLWAY VACINITY, D-9 H #788 DOZER, OP. DEAN CHEE w/ SCRAPER #863 &gt; G. BENALLY.

1510 HRS &gt; BACK @ A/C FOR FRISBOATS / UNRESTRICTED RELEASE, &amp; DEPART FOR F w/ FRANKIE A.

CONTACTS: ERNIE G, BEN Z., FRANKIE ALLISON, GUY HORSEN, KEE CHEE, DEAN CHEE, GILBERT BENALLY, HENRY SHORTHAIR, LORETTA WILLIAMS, STELLA CLAW, JERRY C. BEGAY, BENNIE CLARK.

note: BEN ZAHNE ON SITE FOR MONITORING @ 1500 HRS

NAME: Troy Delmar

Cik

TITLE: EN. POTH-1

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 01-28-98

MINE/PROJECT NAME: CP-3, NA-175 (W.P. 3)

DURATION OF VISIT: 0700 - 1530 hrs

PURPOSE OF VISIT: HP MONITOR, VERIFICATIONS (FINAL), RADIB METRICS

NOTE: (PERSONAL LEAVE 16 hrs 1-26, 27, 98) MONDAY, TUESDAY C.A.

WEATHER &gt; CLEAR/WARM, NO BREEZE

OBSERVATIONS: ON SITE @ 0734 @ SOUTH HIGHWALL, ERNEST @  
WEST OF W.P. 3 (FORMER W.P. 4, NATURAL GROUND).OPERATORS/MACHINERY ENTERING SITE, SCRAPER #858 > TERRY YAZZIE  
D-9H#788 > DEAN CHEE, MOTOR GRADER #502 > HENRY SHORTHAIR  
4000 Gal. H2O #143 > GUY TRUEAX. PALEO Personnel > LARRY COATS.0800 HRS > COLLECT DOSE RATES/SCANS @ W.P. 3 (APPROX. 45<sup>000</sup>  
C.YDS REMAINING RESIDUAL.) READINGS W/ MODEL 19 @ 16, 15  
18, 20 (UREMY/Hr). APPROX. 44 CUBIC YDS REMAIN OF W.P. 3  
0957 HRS > @ MAIN YD. D-9H#495, SCHEDULED TO BE SHIPPED OUT  
FINAL RELEASES BEING CONDUCTED BY TRADES HELPERS, FRANKIE A, GUY H.  
D-9H#692 > OVERTHEATING, PROBLEMS W/ FAN BELT.DOWN OR GROUNDED SCRAPERS #860, 863, 864, 859, 862 MECHANICS @  
MAIN YARD, KEVIN HEALY / WILL NAPIER (PROBLEM W/ SCRAPER MAINLY HYDRAULIC  
LINES LEAKAGES, ETC. SERVICE MAN > BENNIE CLARK1000 HRS > GALLUP INDEPENDENT MEDIA PERSONNEL ON SITE @ A/C, W/GUY THORSEN.  
DEB MISRA ALSO SCHEDULED TO NA-175, TODAY... HAS NOT ARRIVED.FOLLOW-UP: 1005 > H2O TRUCK #143, STALLED @ WEST END OF W.P. 3, OP. TRUEAX.  
- DRAINING H2O TANK FROM #143. REPORTS FOR MAIN YARD.  
- 2000 GAL. TRUCK #T-1442 OP. DERRY C. BEGAY / STELLA CLAW.

1113 HRS &gt; SCRAPER #862 W/OP RUDY HORSEHORSE ENTERS SITE @ W.P. 3 WEST.

1122 HRS &gt; SCRAPER 862 BACK OFF SITE &amp; @ MAIN YARD. (HYDRAULIC HOSE)

CONTACTS: Ernest G., BEN Z., GUY H., FRANKIE A., JACK BOYD, KEE CHEE, TYRONE SILVER,  
HENRY SHORTHAIR, GUY TRUEAX, JERRY C. BEGAY, KATHY HELMS, STELLA CLAW.  
HENRY BITCHITY -

NAME: T. Delmar

CK

TITLE: FA. TECH. #01

MINE SITE VISIT REPORT  
Nav. AML Reclamation Departmt

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Date : 1/28/98

1125 hrs > BACK @ ACCESS CONTROL STATION, HENRY BITCHITY C A/C.

- JACK BOYD INSTRUCTING HIS CREW GUY TRUEAX & RUDY HORSEHORDE

1150 > WIL NAPIER, MECH. WORKING ON SCRAPER 862 (TEST DRIVING)

1200 > LUNCH, ALL PERSONNEL @ MAIN YARD.

\* HENRY TAKING AIR SAMPLER BACK TO S/R AML ALONG W/ SAFETY SIGNS.  
APO #755

1230 > OPS. HEAD BACK TO SITE @ W.P. 3

1300 > BACK ON SITE @ WEST W.P. 3

- SCRAPER #858 Top. Terry Yazzie (lone scraper)

D-9 78P 7 Deen Chee.

1430 > BACK @ A/C, Unrestricted release on Unit 391345.

1440 > Report NA-175 for F-AML.

Gf

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 01-30-98

MINE/PROJECT NAME: Cp-3, NA-175, W.P.3

DURATION OF VISIT: 07~~00~~ HRS - 1600 HRS.

PURPOSE OF VISIT: HP. MONITOR, VERIFICATIONS, RADIOMETRICS

Weather > Clear / Warm PM > Overcast

NOTE: 8 Hrs Personal Leave Yesterday 1-29-98 (THURSDAY)

OBSERVATIONS: <sup>(3:10)</sup> 07<sup>00</sup> HRS. ON SITE @ W.P.3 NORTH SECTION. SCRAPER ENTERING SITE TO W.P. 3, #858 > op. TRUAX #859 > op. JERRY C. BEGAY, #864 > op. TERRY YAZZIE (KEE CHEE ADVISED TSSEYI WILL BE USING D-9 788 @ NORTH #163 FOR RANDOLPH BEARD REQUEST.) UNREGISTERED GUY HORSEN DOING FINAL RELEASE TO D-9 788 > op. (DEAN CHEE) STELLA CLAW OPERATOR # T-144, 2000 GAL H<sub>2</sub>O TRUCK.

0800 HRS. > DOWN SCRAPERS @ MAIN EQUIPMENT YARD INCLUDE: # 860, 862, 863 D-9 H #495, FINAL RELEASE SURVEY BY GUY HORSEN & FRANKIE ALLISON (T.H.S.) D-9 H #692 DOWN, DUE TO BUSHING (per Dean Chee) # 615 BACKHOE SCHEDULE FOR RELEASE, ALSO, \* MOTOR GRADER #502 ALSO ON SITE, HAUL ROADS, op. Henry Shor. 0930 > BEN ZAHNE, TECH II COLLECTING DOSE RATES @ W.P.3 w/ MODEL 19.

1000 HRS > SCRAPER #863 ENTERS SITE FROM MAIN YARD (op. GILBERT BENALLY) D-9 R #788 BACK FROM NORTH SITE #163, ON SITE @ W.P. III.

1 SCRAPERS IN OPERATION FROM RESIDUALS OF W.P.3 TO FORMER PIT NEAR FORMER W.P.5 AREAS. (READINGS @ 16, 17, 19, 20 (UP/MIN)).

FOLLOW-UP: 1100 HRS > ERNEST G. (ENG. TECH-III) TAKING ELEVATIONS FOR DRAWING & SLOPE VOL. @ FORMER W.P. 4 & SITE #174 AREAS, ASSISTED BY ~~BEN~~ BEN ZAHNE. (op. Gilbert Benally Sent Home w/ Rudy Horseherder, Tyrone Silver.)

2000 Gal. H<sub>2</sub>O TRUCK T-144 > op. STELLA CLAW 1200 YARD.

1240 > BACK ON SITE, RELEASED 2 WAY RADIO'S TO ERNEST/BEN @ NA-174. →

CONTACTS: ERNEST G., BEN Z., FRANKIE A., GUY HORSEN, KEE CHEE, DEAN CHEE, STELLA C. HENRY SHORTRHAIK, GUY TRUAX, JERRY C. BEGAY, GILBERT BENALLY.

NAME: T. Delmar C#

TITLE: EN. Team-1.

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 1/30/98

1300 hrs > ERNEST G. & BENZ. CON'T ELE. SHOTS @ NA-174 / W.P. 4 (Former).

SCRAPERS CON'T FROM W.P. 3 TO WEST END OF NA-175 FORMER PIT / FORMER W.P. 3

# 858 > Guy Trueax # 864 > Terry Yazzie # 859 > Jerry C. Peay # 863 > op. Ben Chee.

\* 502 MOTOR GRADER ON HAUL ROADS > op. Henry Short Hair

1400 hrs > Stella Claw's 2000 gal. H2O T-144, SHORT DELAY @ RIVER BED. (PUE

TO WATER PUMP OUT OF GAS) DUST ON THE RISE @ 1340 hrs.

- ERNEST G. STILL TAKING ELEVATIONS w/ TOTAL STATION, ASSISTED BY BEN ZAHNE T-2

(4) SCRAPERS CON'T HAULING FROM W.P. - 3 TO FORMER PIT VACUITY NORTH OF FORMER  
W.P. 6. (BEN ZAHNE HEADED BACK TO T-C AML w/ FRANKIE ALLISON @ 1430 hrs.)

1420 > REMARKED CORNER BOUNDARIES @ N/E CORNER REBAR (1/2")

DOSE RATES @ W.P. - 3 @ 18, 19, 20, 15, 16 (UREAU/Hr)

1445 > ERNEST G/BENZ. STILL TAKING ELEVATION SHOTS TO THE NORTH SECTION

\* @ NORTHWEST SECTION POINT ADJACENT TO NA-174 SOUTH CORNER REBAR (1/2")

CON'T ALSO ON LINE EXTENSIONS OFF BASELINE FOR 25'X25' GRID-LAYOUT,

ON MONDAY 2-02-98.

1507 HRS. > ERNEST G & BENZ. PACKING UP @ NORTHWEST CORNER SET-UP.

1511 HRS. > BENZ. DEPARTS FOR T-C AML w/ FRANKIE ALLISON.

1559 > SCRAPERS & DOZERS, BLADE HEAD BACK TO MAIN EQUIPMENT YARD.

1600 > BACK @ A/C, FREONETS / UNRESTRICTED RELEASES, etc. SHUT DOWN FOR THE WEEK.  
END.

1620 > Report site for T/C AML.

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MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 1-23-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS. — 1520 HRS.

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS.

CLEAR, WARM DAY.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 W/ FRANKIE ALLISON, GUY HORSEN

@ A/C QCING RAD INSTRUMENTS —

0738 HRS > ON SITE @ NORTH END OF NA-174, OBSERVING EQUIPMENTS  
THAT ARE ENTERING SITE — SCRAPER #859 > TERRY YAZZIE, D-9 H #788  
DEAN CHEE, #863 > JERRY C BEGAY, #502 BLADE > HENRY SHORTHAIR

#143-4000 Gal. H<sub>2</sub>O TRUCK STILL DOWN @ FORMER W.P. 5, KEVIN HEALY  
WORKING TO REPLACE PIPE LINE.

0752 > @ MAIN YARD, EQUIPMENTS DOWN, SCRAPER #864 W/ OPERATOR  
GILBERT BENALLY ASSISTING WIL NAPIER (2) DOZERS D-9 H #495 &  
D-9 H #692, SCRAPERS IDLE ALSO ARE #858, #860, #862.

0820 > AM AIR SAMPLE @ W.P. #03, (3) SCRAPERS (1) DOZERS

VERIFICATIONS & DOSE RATES W/ MODEL #19. 15, 16, 17, 18, 20, 22 (Urem/Hr)

0900 HRS > COMPLETED AIR SAMPLE, CFM @ 0.5 x 28.32 (70.8) x 40 x 1000 (2.83<sup>E6</sup> L/P)  
0938 > CONT (200' x 200') LINE EXTENSION OFF BASE LINE W/ FRANKIE

FOLLOW UP: ALLISON @ WEST END FORMER W.P. 6 VACINITY.

1200 > LUNCH @ MAIN YD. BENNIE C. & LORETTA W. ENTER SITE FOR SERVICING.

1230 > OPERATORS HEAD BACK TO SITE @ W.P. 3 & SPILLWAY.

863 SCRAPER DOWN (op. JERRY C. BEGAY) 2000 GAL 081 > STELLA CLAW

2000 GAL 0701 > GUY TEVEAX @ W.P. 3 TO FORMER PIT AREA — →

CONTACTS: ERNEST GREYEVES, BEN ZATINE, FRANKIE ALLISON, GUY HORSEN, GUY TEVEAX

KEE CHEE, LORETTA WILLIAMS, KEVIN HEALEY, BENNIE CLARK, STELLA CLAW

JERRY C. BEGAY, RUDY H. HERDER, TERRY YAZZIE.

NAME: T. Delmar CR

TITLE: En. Tech - I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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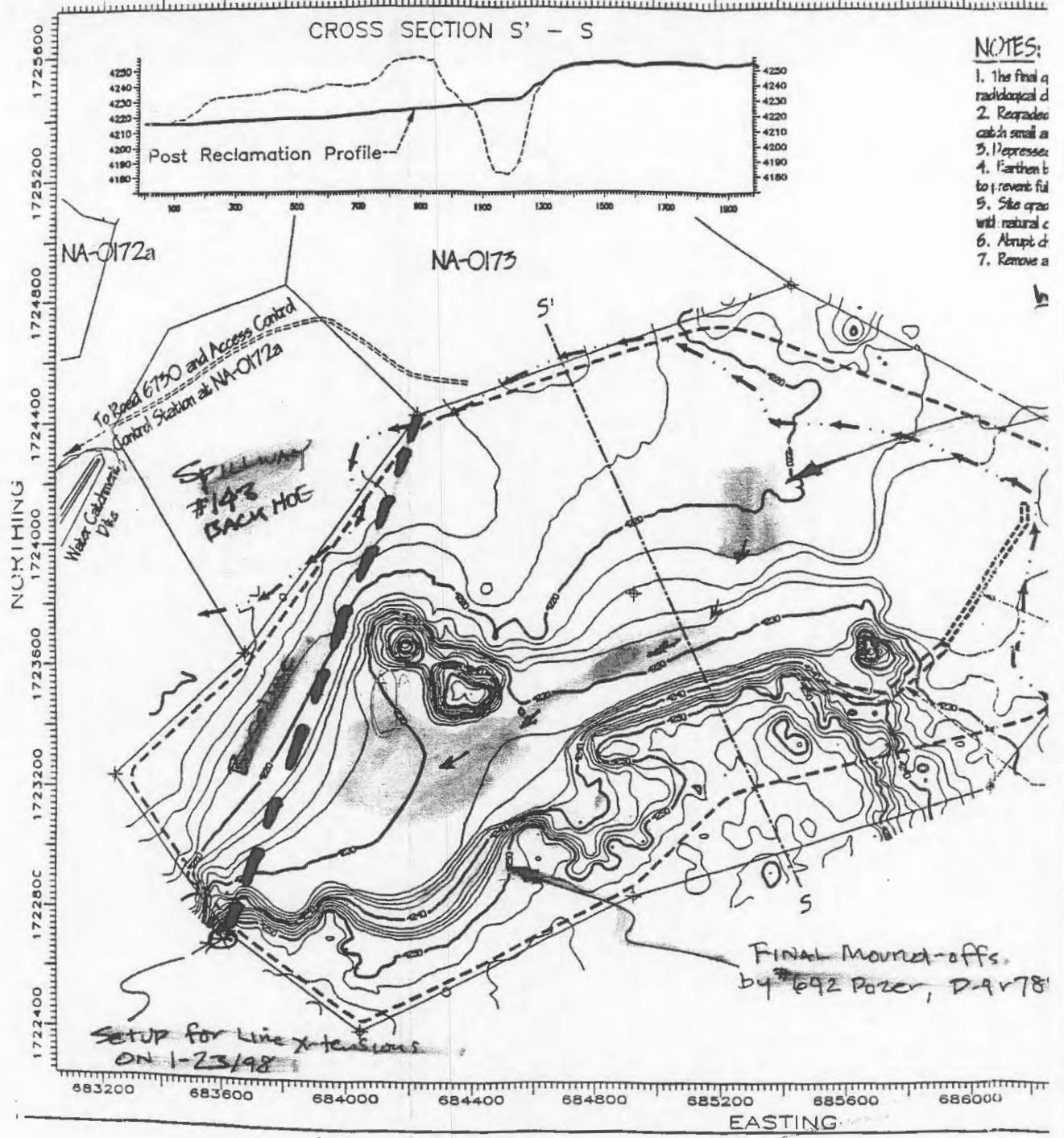
1300 > OBSERVATIONS FROM SOUTH HIGHWALL (3) Scrapers CON'T @ W.P. 3.

CATCH-UP ON MY REPORTS.

1500 > BACK @ A/C, BEN ZAHNE CON'T RAD. MONITORING.

1520 HRS > Report NA-175 A/C FOR T/C w/ Frankie Allison.

CK



EASTING  
685200 685600 686000 686400 686800 687200 687600

4250  
4240  
4230  
4220  
4210  
4200  
4190  
4180

1700 1800

### NOTES:

1. The final graded slope shall conform with specified contours and meet the OWNER's radiological cleanup guidelines.
2. Regraded surfaces shall be left rough and/or indented to prevent erosion and catch small amounts of runoff to aid vegetation.
3. Depressed areas shall be graded to prevent standing water.
4. Earth berms, terraces, and other structures shall be constructed, as needed, to prevent future erosion by wind and water, and improve drainage.
5. Site grading shall be performed to provide a RECLAMATION area which blends well with natural conditions and slopes of adjacent areas.
6. Abrupt changes in grade shall be rounded to provide a pleasant visual effect.
7. Remove and scarp all installed ACCESS ROADS.

WEEK OF 01-20 TO 1-23-98

WLP-03 RESIDUAL

@ APPROX 70,000 Cubic yds  
~~Landscape Residual~~

Berm (approx 520 ft)  
See Drawing No. 1,  
Figure 2 for details.

Diversion Channel (approx 510 ft)  
See Drawing No. 1, Figure 1  
for details.

FINAL Monuments:  
by T. R. Pozer, D-21788



EASTING  
685200 685600 686000 686400 686800 687200 687600

17225600 17225200 1724800 1724400 1724000 1723600 1723200 1722800 1722400



CAMERON AML RECLAMATION PROJECT No.  
MAP No. 20: POST RECLAMATION MA  
NA-0175 RYAN No.

Contour Interval: 2 Feet

Scale: 1 in. = 400 ft.

Site Area: 109.06 Acres

### - RADILOGICAL DATA

Background Measurement (contact): 3.64 pCi/

Background Measurement (1 meter): 14.31 uR/h

### LEGEND:

- Control Point (rebar)
- Road/JEEP Trail
- Drainage (with direction)
- Extent of Grading
- Site Boundary

### NOTES:

1. Easting and Northings are in AZ State Plane (Central Z Grid Bearing).
2. Post reclamation radiological measurements show surface contact measurements of 25 pCi/gram, and/or one meter measurements of 50 uR/hour.
3. Location of post reclamation contours are approximate.
4. All final slopes shall be less than or equal to 3:1.

Drawn By: T. Robbins Date: August 9, 1998  
Approved By: S. Dublin Date: 2/11/99  
Revision(s): 10/24/98 - TR 1/5/99

THE NAVAJO NATION \* DIVISION OF NATURAL RESOURCES  
NAVAJO ABANDONED MINE LANDS RECLAMATION DI  
Tuba City Field Office \* Tuba City, Arizona 86001

MINE SITE VISIT REPORT  
NAVAJO AML RECLAMATION DEPARTMENT

Date(s) of visit: January, 22, 1998

Mine/Project Name: Cameron-3

Duration of Visit: 8 hours



Observation:

This morning I arrived at the Cameron-3 Project site at 0820. When I arrived this morning Ben Zahne(Environmental Technician II) was reviewing radiological survey reports and calculating exposures for Kee Chee, Dean Chee and Rose Tso. Kee and Dean lost their TLD's during the fourth quarter and Rose Tso did not return her badge when she was terminated. Ben is quantifying their exposure by using the personnel access log and daily dose rate surveys. Ben determined the amount time these people spent inside of a controlled area by the sign in/out portion of the personnel access log. Then using the data from the daily dose rate surveys, that are collected twice per day in each work area, Ben calculates the daily exposure the personnel receives. (Hours spent on site x dose rate in an work area = exposure in mRem.). Ben is totaling the hours from the beginning of the fourth quarter to the time the badges were reported lost. On Rose Tso's case it had to be up to the time she was terminated. I reviewed the information that Ben was doing and noticed that he was doing well. Guy Horsen and Frankie Allison(Trades Helpers) were doing QC checks at the access control trailer.

During this morning site tour I saw that the pit area was partially filled except for the south high wall. On my site tour and inspection Tseyi Corporation had four scrapers hauling from waste pile-3. The scrapers are placing material to where it slope away from the south pit high wall to the north. Two water trucks were on site maintaining dust control. One motor grader was maintaining the haul roads for the other equipment. One dozer was assisting the scrapers in waste pile-3 area. Kee Chee said that he estimated there was about 150,000 cubic yards of waste material left in waste pile-3. Kee said that with the current operation, he estimated that all the mine waste will be moved into the pit area in about two weeks. In the afternoon tour there were only three scrapers. The D9R dozer lost a gas cap and was moved back to the maintenance yard because it was spilling fuel. The dozer was not used the remainder of the day.

This afternoon I repaired an ESP-1 instrument that was hooked to an SH-4 frisking probe. The instrument was giving erratic numbers when it was being checked out. The instrument would start counting at background level and then the counts would drop to levels in the negative numbers. I tried several times to clear the memory bank and reset the parameters before I replaced the cable. After the cable was replaced the instrument fell back in working order and the parameters were reestablished. The cable connection was probably broken when that workers were pulling the cable on the probe when they were trying to frisk themselves. In an earlier incident one of Tseyi personnel punctured the mylar sheet over the detector and had to be replaced. I informed Guy Horsen and Frankie Allison to perform the frisking procedures themselves. I reminded them of the cost for each detector and we cannot continue to be replacing the probes.

Some of the Tseyi personnel came to me asking me about the specifications and design for a gabion to be installed at the northern end of the dike. I informed them to talk to Ernest Greyeyes

MINE SITE VISIT REPORT

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about the gabion. Ernest told me that Melvin Yazzie and Deb Misra were supposed to have a meeting with Jack Boyd the previous day (January 22, 1998) regarding this manner. Ernest will follow up on the work items.

I also did safety inspection around the mechanic maintenance yard and found that a lot of the past discrepancies were taken care of. Today there was two people at the mechanic yard replacing the broken windows on the equipment.

**Contact(s):**

AML staff: Ben Zahne, Troy Delmar, Guy Horsen, Ernest Greyeyes and Frankie Allison.

Museum of Northern Arizona

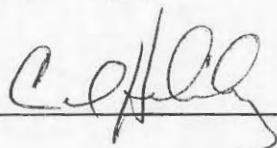
Caroline Orell.

Tseyi Corporation

Jack Boyd, Dean Chee, Kee Chee, Henry Shorthair, Guy Truex, Loretta Williams, Shirley Williams, Stella Claw, Terry Yazzie, Jerry C. Begay, Tyrone Silver, Gilbert Benally, Kevin Healy, Rudy Horseherder.

Recommendations: None

Submitted by:



Title: Health Physicist

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURS. 1-22-98

MINE/PROJECT NAME: C.P.-3, NA-175

DURATION OF VISIT: 0700 HRS. — 1520 HRS.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS, ETC.

CLEAR, COLD BREEZE EASTERLY.

PALEO > Carolyn Orell.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 A.C. W/ FRANKIE ALLISON & GUY-HORSEN (T.H.) BEGIN Q.C. ON ALL RAD. INSTRUMENTS, ESP-I, IIS, etc.  
0727 HRS > SAFETY MEETING W/ JACK BOYD, TOPIC ON SAFETY REMINDERS & PERSONNEL CONCERN, MERIT/SAFETY AWARD PRESENTED TO LORETTA WILLIAMS.

0740 HRS > ON SITE @ EAST END OF W.P. 3, SCRAPERS CONT' MOBILIZING  
W.P. 3 RESIDUALS TO FORMER PIT VACUITY @ WEST END ~~OF~~ FORMER W.P. 5.  
#862 > RUDY HORSEHERDER, #864 > TYRONE SILVER, BLADE #502 > HENRY SHORTHAIK  
0800 > NORTHWEST END OF W.P. -3, SCRAPER 859 > TERRY YAZZIE, #863 >  
JERRY C. BEGAY, P-9 & #495 > DANIEL CHEE, KEE CHEE @ FORMER W.P. 5.  
JACK BOYD @ SPILLWAY

0930 > BACK HOE #145 @ SPILLWAY OPERATED BY GUY TRUEAX.

1000 Gal. H2O TRUCK (DOWN) #143 > PROBLEMS W/ DRIVE LINE.

0950 HRS > ERNEST GREYEYES ARRIVES @ SITE, CARL HOLIDAY (H.P.) @  
ACCESS CONTROL W/ GUY HORSEN, FRANKIE ALLISON & BEN ZAHNE.

1000 > CARL HOLIDAY ON SITE @ NW END OF W.P. 3, (4) SCRAPER CONT @ W.P. 3.

FOLLOW UP: 1021 > KEE CHEE BRIEFING DEAN CHEE, GUY TRUEAX.

1120 HRS > DOSE RATES @ EAST END OF W.P. 3, @ 20, 18, 19, 17 (UREMS/Hr)

1200 > LUNCH @ MAIN YARD, BENNIE C. & LORETTA W. ENTER SITE FOR SERVICING.

1240 HRS > BACK ON SITE @ SOUTH HIGHWALL, BENZAHNE PM AIR SAMPLE.

(3) SCRAPERS CONT @ W.P. 3, #502 BLADE, (2) DOZERS.

CONTACTS: ERNIE G., BENZ., CARL HOLIDAY, JACK BOYD, KEE CHEE, FRANKIE ALLISON  
GUY HORSEN, GUY TRUEAX, HENRY SHORTHAIK, CAROL ORELL, TERRY YAZZIE  
RUDY HORSEHERDER, TYRONE SILVER, LORETTA WILLIAMS & SKALA CLAW.

NAME: J. Detmar *JK*

TITLE: En. Tech -1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : THUR 1-22-98

1924 > CARL HOLIDAY ENTERS SITE @ SOUTH HIGHWALL, Briefed Carl on  
status of W.P. 3 ALONG w/ Ernest Greeyes.

1500 > BACK @ A/C Poor Friskouts/Unrestricted release

1524 > Depart NA-175 A/C For T/C AML. w/ Frankie Allison (Trade Help)

CA

**MINE SITE VISIT REPORT**  
**Navajo AML Reclamation Department**

**Date(s) of Visit :** January 21, 1998

**Mine/Project Name :** Cameron 3 AML; Water pond near NA-0198, NA-0175

**Duration of Visit :** 5.5 hours (11:00 am to 4:30 pm )

**Purpose of Visit :** Perform surveying work at the water pond as part of the assessment for the Cameron 4 AML project, and Project monitoring per the Contract Documents for Cameron 3 AML.

**Observations :** Access control trailer, Guy Horsen, Frankie Allison and Deb Misra were on-site. Contacted Ernest Greyeyes and loaded up his surveying equipment. Also at access control with Ernest were Troy Delmar and Ben Zahne. Travel to the pond for surveying work with Ernest and Deb. Reference points were located at NA-0198. Surveyed the whole pond area. Ernest does not know how to utilize the new data collector with the Pentax total station. Thus he was manually recording the field data in his field book. Following the survey work, inspected the on-going project, NA-0175. The project is approximately 90% complete. Only work remaining involves wastepile #3. Work is proceeding on backfilling the middle part of the open pit to ensure positive drainage. Upon the final grades, terraces need to be incorporated. Overall, the site is looking very good. The temporary water pond near the spillway has been backfilled. The Contractor must be hauling from the pond near the river, approximately 0.75 miles away.

**Follow-up :** Compile the field data for the pond. Continue weekly site inspections on the Cameron 3 project.

**Contacts :** NAMLRD: S. Deb Misra, Ernest Greyeyes, Troy Delmar, Ben Zahne, Guy Horsen, and Frankie Allison.

**Name :** Melvin H. Yazzie *M.H.Yazzie*      **Title :** Reclamation Specialist III

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 01-21-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1620 HRS.

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONS, etc.

CLEAR, COLD, WINDY DAY.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175, A.C. W/ FRANKIE ALLISON.

GUY HORSEN @ A.C. ALONG W/ PALEO PERSONNEL, LARRY COATS.

0726 HRS > EQUIPMENTS & OPERATORS DEPARTING TO SITE @ W.P. 3, SPILLWAY.

@ W.P. 3 EAST CORNER SECTION, SCRAPER #862 > RUDY HORSEHEDDER

#859 > TERRY YAZZIE, #863 > JERRY C. BEGAY, #502 BLADE > HENRY SHORTHAIR

#081, 2000 Gal. H<sub>2</sub>O TRUCK > STELLA CLAW. 2 DOZERS - D-9 R788 > DEAN CHEE  
D-9 H#495 > DANIEL CHEE.

0820 > AM AIR SAMPLE @ WP#3 EAST, SCRAPERS CONT ON W.P. 3 TO FORMER  
MAIN PIT VACINITY @ WEST END.

0900 HRS > COMPLETED AM SAMPLE FOR W.P. 3, CFM @ 20 X 28.32 (56.64) X 40 X 1000 (2,272)

0930 HRS > BEGAN 200X200 SHOTS W/ TRANSIT SURVEY INSTRUMENT W/ BEN ZAHNE.

SET-UP @ WEST CORNER REBAR (1"), FOR FINAL VERIFICATIONS GRID LAYOUT.

1150 > BACK @ A/C, DEB MISRA & MELVIN YAZZIE @ SITE W/ ERNEST GREYEYES.

DEB M., MELVIN V., ERNEST G. DEPART FOR NA-198 FOR SURVEYING, etc.

FOLLOW UP: 1200 > LUNCH > RELAY RADIO'S & RANGE POLE TO ERNIE @ NA-198.

1245 > BACK ON SITE @ EAST END OF W.P. 3, BEN ZAHNE DOING PM AIR SAMPLE.

W.P. 3, SCRAPER #862 > RUDY HORSEHEDDER, #859 > TERRY YAZZIE, D-9 H#495 > DANIEL CHEE, D-9 R788 > DEAN CHEE, WEST STRETCH > SCRAPER #863 > JERRY C. BEGAY.  
#859 > GILBERT BENALLY, 2000 GAL. #081 > STELLA CLAW →

CONTACTS: ERNIE GREYEYES, BEN Z., FRANKIE A., GUY H., GUY TROEAX, RUDY H.H. -

TERRY YAZZIE, STELLA CLAW, GILBERT BENALLY, DANIEL CHEE.

MELVIN K. YAZZIE, DEB MISRA

NAME: J. DELMAR ✓

TITLE: EN. TECH-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1539 hrs > SCRAPER #859 > DEPARTS OFF SITE.

1600 > BACK @ A/C, Operators & Equipments HEAD off site. (SHUT-DOWN)

FRISKOUTS, UNRESTRICTED RELEASES BY TRADES HELPERS. F.A. & G.H.

1634 > DEPART NA-175 A/C FOR J AML. w/ Frankie Allison.

CD

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 01-20-98

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 HRS. - 1515 HRS.

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONS, ETC.

CLEAR - COLD, BREEZE EAST.

NOTE: NO SITE VISIT, YESTERDAY. MONDAY 01-19-98

HOLIDAY OBSERVED - (MARTIN LUTHER KING DAY)

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175, A.C. WITH GUY HORSEN, FRANKIE ALLISON, BOTH BEGIN Q.C. OF RAD. INSTRUMENTS. OPERATORS FOR TSEYI CORP. ARRIVING @ MAIN YARD & SIGNING IN @ A.C.

0735 HRS. > ON SITE @ W.P. 3, D9 DOZERS - #788 op. DEAN CHEE, #495 > DANIEL CHEE, MOTOR GRADER #502 > HENRY SHORTHAIR.

SCRAPERS - #859 TERRY YAZZIE, #863 JERRY C. BEGAY, #862 RUDY HORSEHERDER #864 > TYRONE SILVER. PALED PERSONNEL > CAROLYN ORELL

0815 HRS > BEGIN AM AIR SAMPLE @ NORTH END OF W.P. 3, (4) SCRAPERS, (2) DOZERS  
0855 HRS > COMPLETED SAMPLE w/ CFM @ 2.0 x 28.32 (56.64) x 40 x 1000 (2.27E6) V.P.  
1030 HRS > VERIFICATIONS & DOSE RATES @ W.P. 3 TO FORMER PIT VACINITY.

15, 16, 17, 20, 22, 19, 18, 20, 22, 24, 20 (UREMS/HR.) MODEL 19 #705.

1200 > LUNCH @ Yd, Service personnel enter site, BENNIE CLARK & LORETTA WILLIAMS.

1230 > KEE CHEE (Foreman) HAWKS HIS CREW BACK ON SITE @ W.P. 3.

1245 > BACK ON SITE, WEST OF W.P. 3, SCRAPERS #859 TERRY YAZZIE, #863 > J.C. BEGAY, #862 RUDY HORSEHERDER, 864 > TYRONE "QUICK" SILVER, #502 MOTOR

FOLLOW-UP: BLADE > HENRY "HANK" SHORTHAIR, D9 R #788 > DEAN CHEE, D9H495 > DANIEL CHEE. 1400 → 1440 > P.M. AIR SAMPLE (2.0 x 28.32 - 56.64 x 40 x 1000 2.27E6) V.P.

1445 > Collected Dose rates @ Mid-Section of W.P. 3 @ 22, 20, 18, 19, 24 (UREM/HR)

1500 HRS > BACK @ A/C FOR FRISKOUTS / UNRESTRICTED RELEASE ON UNIT 391345

1524 > DEPART NA-175, A.C. FOR T/C AML W/ FRANKIE ALLISON.

CONTACTS: ERNEST GRAVEYES, BEN ZAHNE, FRANKIE ALLISON, GUY HORSEN, LORETTA WILLIAMS  
DEAN CHEE, BENNIE CLARK, JERRY C. BEGAY, TYRONE SILVER, TERRY YAZZIE  
HENRY SHORTHAIR, RUDY HORSEHERDER, STELLA CLAW, DANIEL CHEE, KEE CHEE  
GUY TRUEAX.

NAME: T. Delmar CR

TITLE: EN. Tech-01

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 1-16-98  
MINE/PROJECT NAME: CP-3, NA-175  
DURATION OF VISIT: 0700 HRS - 1520 HRS.  
PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS, etc.

CLEAR, SLIGHT COLD BREEZE EASTERLY.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175, A.C. W/ FRANKIE ALLISON, Operators ALSO ARRIVING @ MAIN YP. EQUIPMENTS WARMING UP (BENNIE CLARK)  
0730 > EQUIPMENTS DEPARTING FOR SITE TO W.P. 3, SOME TO SPILLWAY.  
0740 > ON SITE @ WEST OF W.P. 3, D-9 #786 Dozer, op. Dean Chee pushing  
Scraper #859 > Terry Yazzie, #864 > Tyrone Silver. @ EAST END, D-9 #  
692 > DANIEL CHEE PUSHING SCRAPER 862 > RUDY HORSEHEDDER, #863 >  
JERRY C BEGAY, #502 GRADER > Op. GUY TRUEAX. KEE CHEE ON SITE.  
1000 > BEN ZAHNE DOING AIR SAMPLES TODAY.  
@ SOUTH HIGHWALL FOR OBSERVATIONS, CATCH-UP ON MY REPORTS.  
1200 > LUNCH @ MAIN YARD. 1224 > Operators head back on site.  
1300 > BACK ON SITE FROM SOUTH HIGHWALL  
SCRAPERS & DOZERS STILL CONCENTRATING ON W.P. 3 (APPROX. 80.000 cbyds)  
1400 → 1440 > PM. AIR SAMPLE, CFM @  $2.5 \times 28.32(70.8) \times 40 \times 1000 / 2.93 \text{ E6} \text{ VP}$ )  
1500 HRS > BACK @ A/C FOR FNSKOUT/UNRESTRICTED RELEASE.  
1520 HRS > Depart from NA-175, ACCESS CONTROL FOR AML W/ FRANK A.  
BEN ZAHNE / ERNEST GREYEYES ON SITE FOR MONITOR UP TO 1600 HRS.

FOLLOW-UP:

CONTACTS: Ernest Greeyes, Ben Zahne, Frankie Allison, Guy Trorsen, Kee Chee, Bennie Clark, Guy Trueax, Shirley Williams, Loretta Williams, Stella Claw.

NAME: T. Delmar CK

TITLE: En Tech - 1

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 1-15-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS. — 1530 HRS.

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS, ETC.

Cloudy, Breeze, COLD DAY. (FRANKIE ALLISON CALLED IN SICK, ADVISED him to Call Perry Churkey, Called @ 0630 HRS TO E office.)

OBSERVATIONS: 0700 HRS > ARRIVED @ A/C, GUY HOSSEN @ A/C DOING Q.C. ON RAD. INSTRUMENTS. EQUIPMENT WARMING UP @ MAIN YARD.

0730 HRS > MELVIN YAZZIE ARRIVES @ A/C, OPERATORS DEPART FOR SITE.

0738 HRS > @ W.P. 3 WEST END, SCRAPERS #862 > RUDY HORSEHERDER, #863 > JERRY C. BEGAY, DOZER D-9R #788 > DEAN CHEE, D-9H #692 > IDLE TOP PORTION OF W.P. 3 #859 SCRAPER, OP. TERRY YAZZIE.

0750 HRS > AM AIR SAMPLE @ W.P.-3 SOUTH END, MOTOR BLADE #602 > GUY TRWEAX PALEO PERSONNEL > MR. LARRY COATS, ERNEST GREVEYES ARRIVES @ SITE.

0800 HRS > WEST OF FORMER W.P. 6 MOUND-OFFS OF SLOPES > D-9H #692 > DANIEL-CHEE. COMPLETED AM SAMPLE. CFM @  $2.5 \times 28.32(70.8) \times 40 \times 1000 (2.83 \text{ E6})$  VP.

0844 > ERNEST G, KEE CHEE CONSULT w/ MELVIN YAZZIE @ SOUTH OF SPILLWAY.

1000 > BEGIN SCANS, VERIFY W.P. 3 @ KEE CHEE (Foreman) REQUEST.

AREA OFF MODEL #19-705 @ 20, 22, 20, 20, 19, 22 (UTREMS/HR)

H2O TRUCKS 2000 GAL #081 > STELLA CLAW, #9701 > SHIRLEY WILLIAMS.

1100 > MID-SECTION OF FORMER PIT, SOME ELEVATED STREAKS @ 42, 44, 46, 40 (UTREMS/HR)

FOLLOW-UP: 1200 > LUNCH @ MAIN YARD, SERVICE CREW HEAD ON SITE LORETTA WILLIAMS & BENNIE CLARK

1340 HRS. > P.M. AIR SAMPLE @ MID-SECTION W.P. 3, SCRAPERS CONTINUING W.P. 3.

#859 > Terry Yazzie, #864 > Tyrone Silver, #863 > Jerry C. Begay, #862 > Rudy H. Hardev.

1420 HRS > PM AIR SAMPLE RESULT w/ CFM @  $2.5 \times 28.32(70.8) \times 40 \times 1000 (2.83 \text{ E6})$  VP. →

CONTACTS: ERNEST GREVEYES, BEN ZAHNE, FRANKIE ALLISON, GUY HOSSEN, GUY TRWEAX, JERRY C. BEGAY, TYRONE SILVER, TERRY YAZZIE, LORETTA WILLIAMS, SHIRLEY WILLIAMS, STELLA CLAW, RUDY HORSEHERDER, KEE CHEE, DEAN CHEE, MELVIN YAZZIE.

C.R.

NAME: Troy Rehner

TITLE: En. Tech-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 1-15-98

1500 hrs > BACK @ A.C. for FRISKOUT/Unrestricted release, ON #391395

Benzanne entered Site @ 1351 hrs..

1520 > Depart Site w/ Frankie Allison for E AML.

CW

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 1-14-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 Hrs. — 1520 Hrs.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIO METRICS, etc.

Clear Day, wind east from west

No Paleo, today.

OBSERVATIONS: 0700 Hrs > @ A/C w/ Frankie Allison & Guy Harsen.

0725 > WEEKLY SAFETY MEETING w/ JACK BOYD, Safety REMINDERS, etc.

0740 > Meeting Adjourned & Ops. depart for Site.

0800 Hrs > On Site @ W.P. 3, D9 #692 > Daniel CHEE.

Scrapers 858 > Terry Yazzie, 863 > Jerry C. BEGAY on WEST Stretch.

@ Former W.P. 6 South Highwall mound-offs, SCRAPER # 860 > OP-  
GIL BENALLY, D-9 #788 > DEAN CHEE, W.P. 3 EAST stretch to Former  
Pit #8602 Scraper Operated by Rudy Horseherder.

0930 > AM AIR SAMPLE @ W.P. 3 Residual North Side.

Dose rates & Verifications @ 18, 20, 24, 26, 32 (UREMS/Hr)

1010 > Completed AM Air Sample CFM =  $2.0 \times 28.32 \times 40 \times 1000 / 2.27 \text{ E6 V.P.)}$

@ South HIGHWALL for observations.

1200 > LUNCH @ A/C, Main y.d.

1243 Hrs > @ South Highwall, former W.P. 6, D-9 #692 > Daniel Chee

FINAL MOUND-OFFS, VERIFICATION w/ MODEL 19 @ 16, 18, 17, 19, 20, 22  
(UREMS/Hr)

FOLLOW UP: 1250 Hrs > W.P. 3 West end Scrapers 862 > Rudy H. Herder

#863 > Jerry C. Begay, #864 > Tyrone Silver #859 > Terry Yazzie

#502 Blade > Guy Trueax, WP. 3 readings @ 14, 15, 16, 17, 18, 19, (UREMS/Hr)

2000 Coal. 081 > Stella Claw, D9 #788 > Dean Chee, 9201 > Shirley W.

1330 Hrs > P.M. AIR SAMPLE OF W.P. 3 ON Top Portion. Breeze east →

CONTACTS: Ernest G, Ben Z., Frank A, Guy H., Guy TRUEAX, Kee Chee  
Shirley Williams, Stella Claw, Dean Chee, Rudy Horseherder, Jerry C.  
Begay, Tyrone Silver, Terry Yazzie.

NAME: Troy Lehman ck

TITLE: En. Tech - I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 1/14/98

1410 hrs > Completed PM Air Sample, CFM = 2.0 (V.P. 2.27E6)

1500 > Back @ A/C, Friskout, Unrestricted release, etc.

1520 > Report For AML w/ Frankie Allison.

CH

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 01-13-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 hrs. — 1520 hrs.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIO METRICS

CLEAR/WINDY & COLD DAY.

NO PALEO, TODAY.

OBSERVATIONS: 0700 hrs. > @ NA-175 A.C. w/ FRANKIE ALLISON, GUY HORSSEN

@ A/C PERFORMING QC. ON. ALL RAD. INSTRUMENTS.

#502 BLADE OPERATOR, HENRY SHORTHAIR SPRAIN KNEE, DEPARTS FOR MEDICAL ATTN. Operators departing for Site @ 0728 hrs.

0800 hrs > ON Site @ EAST of W.P. 3, Scrapers cont on W.P. 3 (APPROX. ABOUT 80,000 CUBIC YDS OF CLASS "B" WASTE MATERIAL remain)

Scrapers #860 > Gilbert Benally, #863 > Jerry C. Begay, 862 > Rudy Horseherder #858 > Terry Yazzie, Kee Chee Observing from South High Wall.

0815 > BEGIN AM Air Sample @ East Corner of W.P. 3, Ernest G. @ South Highwall, also. WATER TRUCKS 2000 Gal. 7 Op. Stella Claw & Shirley Williams

0855 > Completed AM Air Sample, CFM =  $2.0 \times 28.32 / (56.64) \times 90 \times 1000 / 2778$ ) Scrapers 860/63 HEAD OFF Site to MAIN YARD.

1100 hrs > DANIEL CHEE ON D-9 #692 @ Northern end of W.P. 3.

1200 hrs > Lunch, All personnel.

FOLLOW UP: 1300 hrs, Scanned W.P. 3, NOT elevated @ 20, 22, 18, 17, 15, 14, 12 (UREMS/hr.)

1400 hrs > P.M. Air Sample @ WEST end of W.P. 3, 2 Scrapers on West end stretch, 2 scrapers @ EAST end stretch, 9701 2000 Gal. H2O

TRUCK > Shirley Williams, 2000 Gal 081 > Stella Claw, 502 Motor Blade > Guy Truck

CONTACTS: Kee Chee, Ernie G, BEN Z., Gilbert B., Guy T., Jerry C. Begay Stella Claw, Shirley/Loretta Williams, Frankie Allison.

N\*

NAME: T. Delmar

TITLE: Zn Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1440 Hrs > Completed P.M. Air Sample, CFM =  $2.5 \times 28.32 (70.8) \times 40 \times 1000 =$   
 $(2.83 \text{ E6 V.P.)}$ . @ Former W.P. Co., South highway final mound-offs  
by Scraper 860 GII. Bally. AVG. READING @ (9 pci/gm)

1500 Hrs. > Back @ A/C For Friskouts, Unrestricted release, by Guy Horn

1520 > Report for T.C. AML w/ Frank Allis.

CA

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY, 01-12-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS — 1520 HRS

PURPOSE OF VISIT: H.P. MONITORING, VERIFICATIONS, RADIONMETRICS, etc.

Weather: Clear, Windy, COLD DAY.

OBSERVATIONS: 0700 HRS > ARRIVED @ A/C, NA-175 w/ FRANKIE ALLISON

& GUY HORSEN, USUAL ROUTINES BY TRADES HELPERS.

(ADVISED Kee Chee Foreman, OF DANIEL CHEE LACK TRAD. TRAINING, BUT ISSUED  
A T.L.D. TO HIM. (CONTACTED Carl Holiday H.R. BY PHONE.)

0800 HRS > ON SITE @ W.P. 3, SCRAPERS & OPERATORS TODAY.

#862 > RUDY HORSEHERDER, #860 > GILBERT BENALLY, #864 > TYRONE -  
SILVER, #858 > TERRY YAZZIE, #502 Motor Grader > Henry Shorthair.

0830 > SET UP FOR AM AIR SAMPLE FOR W.P. 3 ON THE N/E SECTION.

D-9 H #692 > JERRY C. BEGAY @ W.P. 3 MID-SECTION.

0910 HRS > COMPLETED AM SAMPLE FOR W.P. 3 (V.P. = 2.27 EG)

1000 HRS > DOSE RATES @ FORMER PIT, NORTH OF FORMER W.P. 6.

SCRAPERS STILL HAULING FROM W.P. 3 TO FORMER PIT VICINITY.

1020 HRS > @ NA-175 SPILLWAY, TSÉGI CREW BEGIN ON SPILLWAY  
MONITORED BY ERNEST G. & BEN ZAHNE, D-9 R#788 > DEAN CHEE

FOLLOW UP: SCRAPER 863 > GUY TRUEAX, D-9 #95 Idle, Jerry C. Begay Switches  
To ~~scraper~~ TD Dozer D-9 H #692 @ W.P. 3, ALONG W/ 502 MOTOR BLADE OPER-  
ATED BY HENRY SHORTHAIR. SCRAPERS CON'T ON W.P. 3.

1200 HRS > LUNCH, ALL PERSONNEL @ MAIN YO.

1250 HRS > BACK ON SITE @ SOUTH HIGHWALL, @ W.P. 3 EAST STRETCH →

CONTACTS: ERNEST G., Ben Z., Guy H., Frank A., Kee Chee, Dean Chee

Gilbert Benally, Jerry C. Begay, Stella Claw, Lovetta/Shirley Williams

NAME: T. Delmon

OK

TITLE: Env Tech -1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 1/12/78

SCRAPER #862 > JERRY C BEGAY, #858 > TERRY <sup>⑩</sup> YAZZIE.

1410 HRS > PM Air Sample @ W.P. 3 EAST.

1450 HRS > Completed Sample, CFM @  $2.5 \times 28.32(10.8) \times 40 \times 1000$  (2.83E4)

W.P. 3 EAST STRETCH Scrapers #863 > GUY TWEAK, #864 > Tyrone Silver

#860 > Gilbert Begay, D-9 H 692 > RUDY Horseherder, D-9 r 788 > Peunchee

Dose rates & verifications off model 19 @ 18, 13, 15, 16, 20 (1 Rem/hr)

1510 > Back @ A/e. B.Zone @ South Highwall for Monitoring.

1520 > Report NA-175- for TC AML.

CJ

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRI. 1-09-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS. — 1520 HRS.

PURPOSE OF VISIT: HP. MONITORING, VERIFICATIONS, RADIOMETRICS, etc.

WEATHER > CLEAR/COLD, SLIGHT BREEZE, EAST.

OBSERVATIONS: 0700 HRS. > ARRIVED @ NA-175, A.C. W/ TRADES HELPERS GUY-HORSEN, FRANKIE ALLISON. Q.C. OF ALL FAO INSTRUMENTS.  
0746 HRS. > ON SITE @ W.P. 3 TOP SECTION. SCRAPERS #862 > RUDY HORSEHARDER  
#864 > TYRONE SILVER, #502 MOTOR BLADE > HENRY SHORTHAIR.

0801 HRS > ERNEST G. ON SITE @ W.P. 3 WEST W/ KEE CHEE, FOREMAN.

BEGIN AM AIR SAMPLE @ NORTH END OF W.P. 3

DOZERS ON W.P. 3 TO MAIN PIT, D-9H #495 > JERRY C. BEGAY, D-9H - 788 > DEAN CHEE ON THE N/W STRETCH OF W.P. 3.

ON THE ~~12~~ EAST END STRETCH DOZER D-9H 692 > DANIEL CHEE PUSHING SCRAPERS #858 > TERRY YAZZIE, #863 > GILBERT BENALLY.

0841 > COMPLETED AM AIR SAMPLE FOR W.P. 3, CFM =  $2.5 \times 28.32 / (70.8) \times 40 \times 1000$  (2.83<sup>EG</sup> V.P.) 2000 Gal #081 > Skila Claw, 09701 > Shirley Williams.

0900 HRS > BEGAN IDENTIFYING & LOCATING CORNER BOUNDARIES W/ BEN ZAHNE W/ LATHES & COMPLETED LOCATING @ 10:00 HRS.

1200 HRS > LUNCH FOR ALL PERSONNEL, AML & TSEYI STAFF.

FOLLOW UP: 1230 HRS > Operators headed back to site from main yard.

1300 HRS > BACK ON SITE FROM SOUTH HIGHWALL, OBSERVATIONS.

1340 > BEGIN SCANNING W/ MODEL 19 #705 @ W.P. 3 WEST, MID-SECTION EAST, FORMER PIT, EXISTING PIT VACUITIES. 20, 22, 19, 17, 15, 20 (UREM/HR)

1450 > Completed Verifying, Dose rates, etc, 13, 14, 15, 17, 18, 19, 20, 22 (UREM/HR) →

CONTACTS: ERNEST G., BEN Z., FRANK A., GUY H., GUY TRUEAX, KEE CHEE, PEAN-CHEE, LORETTA WILLIAMS, SHIRLEY WILLIAMS, SKILA CLAW, GILBERT BENALLY, HANK-SHORTHAIR, TYRONE SILVER, RUDY HORSEHARDER, TERRY YAZZIE, KEVIN HEALEY

B (TV)

NAME: T. Delmar

CK

TITLE: E-T-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 1/09/98

1500 HRS > BACK @ A/C, RELEASE # ON UNIT \*391345, FRISKOUTS.

1520 > Report Site for AML w/ Frankie A.

OK

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 1-08-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS.—1520 HRS.

PURPOSE OF VISIT: H.P. MONITORING, VERIFICATION, RADIOMETRICS, etc.

WEATHER &gt; Part Cloudy, Wind from West to East, Cold Day.

OBSERVATIONS: 0700 HRS &gt; ARRIVED @ NA-175 A/C WITH FRANK ALLISON (T.H.)

GUY HORSEN &amp; LARRY COATS (PALEO) @ ACCESS CONTROL

0726 HRS &gt; EQUIPMENTS BEGIN ENTERING SITE @ W.P. 3 &amp; W.P. 2 SOUTH.

SCRAPER #860 &gt; RUDY HORSEHERDER, #858 &gt; TERRY YAZZIE, #864 &gt; TYRONE - SILVER, #863 &gt; GILBERT BENALLY, GRADER BLADE #502 &gt; HENRY SHORTHAIR @ W.P. 2 SOUTH STRETCH NEAR NATURAL KNOB DOZERS PUSHING

W.P. 2 IN PIT EAST END. D-9 H #495 &gt; JERRY C. BEGAY, D-9 H #692 &gt; OP- DANIEL CHEE (ADVISED NEW COMER DANIEL CHEE, HE NEEDS RAID TRAINING W/ CARL HOLIDAY H.P. prior to ENTER SITE... ADVISED FOREMAN KEE CHEE ALSO)

0902 > ERNEST G. ON SITE @ EAST END, BEGIN VERIFYING W.P. 3 & DOSE-RATES W/ MOPEL 19<sup>\*</sup>705 @ 18, 19, 20, 22, 16, 17, 20 (UREMS/Hr).A.M. AIR SAMPLE RESULT: CFM @ 2.5<sup>(5)</sup> X 28.32(70.8)X40X1000 (2.83E6) V.P.

1102 HRS &gt; DOSE RATES &amp; VERIFICATIONS @ W.P. #03 WEST END TO EAST END @ 20, 19, 18, 17, 19, 20, 22, 24, 26 (UREM/Hr)

1200 &gt; OPERATORS HEAD OFF SITE TO MAIN YARD FOR LUNCH, SERVICE PERSONNEL

FOLLOW-UP: ENTERING SITE LORETTA WILLIAMS, WAYNE YOUNVELLA —

1230 &gt; OPERATORS HEAD BACK TO SITE, CONT @ W.P. 3, W.P. 2 SOUTH.

1256 &gt; P.M. AIR SAMPLE @ EAST END OF MAIN PIT (DOWN WIND EAST.)

SCRAPERS FROM W.P. 3 INTO PIT #864 &gt; TYRONE SILVER, #863 &gt; GILBERT BENALLY. @ W.P. 2 SOUTH SECTION #495 &gt; JERRY C. BEGAY, #692 &gt; DANIEL CHEE

CONTACTS: Ernest G., Ben Zahn, Frankie Allison, Guy Horsen, Kee Chee

Shurley/Loretta Williams, Jack Boyd, Henry Shorthair, Terry Yazzie, Tyrone Silver, Guy Tiveax.

CK

NAME: T. Delmar

TITLE: En Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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D-9 #788 > DEAN OTEE, ERNIE GRAYEYES (ENG.TECH III) OBSERVATIONS @ EAST END 175.

DOSE RATES & VERIFICATION w/ MODEL #19-705 @ 18, 20, 22, 16, 19 (UREM/MR)

$2.5 \times 28.32 (70.8) \times 40 \times 1000 / 2.83 \text{ E6 V.P.}$

1405 hrs > ERNEST GREYEYES DEPARTS BACK TO T/C AML, BEN ZAHNE &  
SOUTH HIGHWALL.

1445 > Scraperz 860 ENTER SITE REPAIRED/PATCHED-UP by WIL NAPIER  
GILBERT BENALLY SWITCHES FROM #863 TO #860.

\*#863 BUCKET WON'T LIFT OR OPEN, WIL. NAPIER INSPECTING #863.

1509 > BACK @ A/C FOR UNRESTRICTED RELEASE/ FINSKOUT.

1520 > Depart w/ Frankie Allison, Guy Horsen @ A/C.

CK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 1-07-98

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1620 HRS

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS, etc.

Partly Cloudy, Cold Day.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 A.C., W/ FRANKIE ALLISON &  
~~GUY HORSEN~~ (T.H.) EQUIPMENT WARMING UP (SERVICE PERSONNEL WAYNE YOUNG/ELIA)  
0726 HRS > SAFETY MEETING W/ JACK BOYD, TOPIC INCLUDE SAFETY REMINDERS  
& PERSONNEL CONCERN & SUGGESTIONS, etc. (ADJOURNED @ 0745 HRS)  
0756 HRS > ON SITE @ W.P. 3 EAST SECTION, SCRAPERS & OPERATORS.  
#863 Op. GILBERT BENALLY #864 > Op. TYRONE SILVER, D9 R #788? REANCHER  
NO PALEO Personnel TODAY ...  
0800 HRS > D-9 H #692 > GUY TRUAX, D-9 H #495 > Op Jerry C. BEGAY @ EAST  
END OF MAIN PIT, D-9 H 692 JUMP STARTED BY MECH. KEVIN HEALY.  
(NOTE: GUY HORSEN, TRADES HELPER, NO SHOW THIS AM.)  
1000 HRS > BEGIN AM AIR SAMPLE @ NORTH END OF MAIN PIT, EAST OF W.P. 3  
SCRAPERS #858 > TERRY YAZZIE, #860 > RUDY HORSEHERDER -  
1040 HRS > COMPLETED AM SAMPLE, CFM =  $2.0 \times 28.64$  (56.64)  $\times 40 \times 1000$  (2.27 E<sup>6</sup> CFM)  
SCRAPER #863 (Op. Gilbert Benally) BACK ON SITE @ W.P. 3 EAST END.  
1115 HRS > BACK @ MAIN YARD, ACCESS CONTROL, DOWN EQUIPMENTS  
#859, 4000 gal H<sub>2</sub>O Truck #143, (Scraper 860 DOWN Briefly this morning)  
~~Follow-up:~~ 1200 HRS > LUNCH, ALL PERSONNEL @ YARD.  
1236 HRS > @ W.P. #01 EAST END OF 175 BOUNDARY POINT, SCANNED  
W/ MODEL 19, REMARKED HOT STREAMS @ AVG. 62 UREMS/Hr (refer to Map)  
SCRAPERS BEGIN MOBILIZING W.P. 01 INT MAIN PIT. (SCANS AFTERWARDS)  
D-9 R 788 Dozer (Op. Dean Chee Assisting # Scrapers #863 & G. Benally, #864 & T. Silver) →  
CONTACTS: Ernest G., Ben Zanne, Kee Chee, Guy Horserider, Frankie Allison  
Terry Yazzie, Rudy Horseherder, Kevin Healy, Jerry C. Begay.  
Henry Short Hair, Gilbert Benally, Tyrone Silver.

NAME: Ct f T. Dahm  
TITLE:

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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2000 Cal. #0807 STELLA CLAW, ERNEST GREYCLOUD Observing on Site.

1320 > Re-scanned residuals of W.P.1, remarked small streaks approx.

1'x2' area natural outcropping (brown natural sand).

1344 > 2 runs of borrow material off W.P. 3 (class "A") to former  
W.P. 01. For cover <sup>(TM)</sup> material, readings @  $6.83^{E3}$ ,  $5.80^{E3}$ ,  $6.29^{E3}$   
 $5.89^{E3}$ ,  $4.89^{E3}$ ,  $6.15^{E3}$ . Final verification completed @ 1350 hrs.

1400 hrs > PM Air Sample @ Former W.P. 2 North (downwind N/E)

(3) Dozers D-9H<sup>#</sup>495 > Jerry C. BEGAY, D-9H 692 > Kee Chee, D-9R788 > Dean C.

#502 Grader > Henry Shortnair.

1440 hrs > Completed PM Air Sample  $2.0 \times 28 \times 32 (56.64) \times 40 \times 1000 (2.27^{E6} \text{ V.P.})$

1520 hrs > Melvin Yazzie arrives on site @ South Highwall taking PILOT's.

1600 hrs > SHUT DOWN, BACK @ A/C, ASSIST Frank A, w/ unrestricted  
releases, first knots of personnel.

1630 > Report A/C for T.C. AML.

CK



CAMERON AML  
MAP No. 1  
NA-017

Contour Int

Site

Total Volume <  
- RADI

Background Meas

Background Meas

LEGEND:

- Cont
- △ Road
- Wast
- ▨ Pit/I
- ✓ Drain
- ~~~~ Site

NOTES:

1. Easting and North Grid Bearing.

2. Post reclamation re contact measurements measurements of

3. For Backfill Sequa

4. For Post reclaims

Drawn By: T. Rab

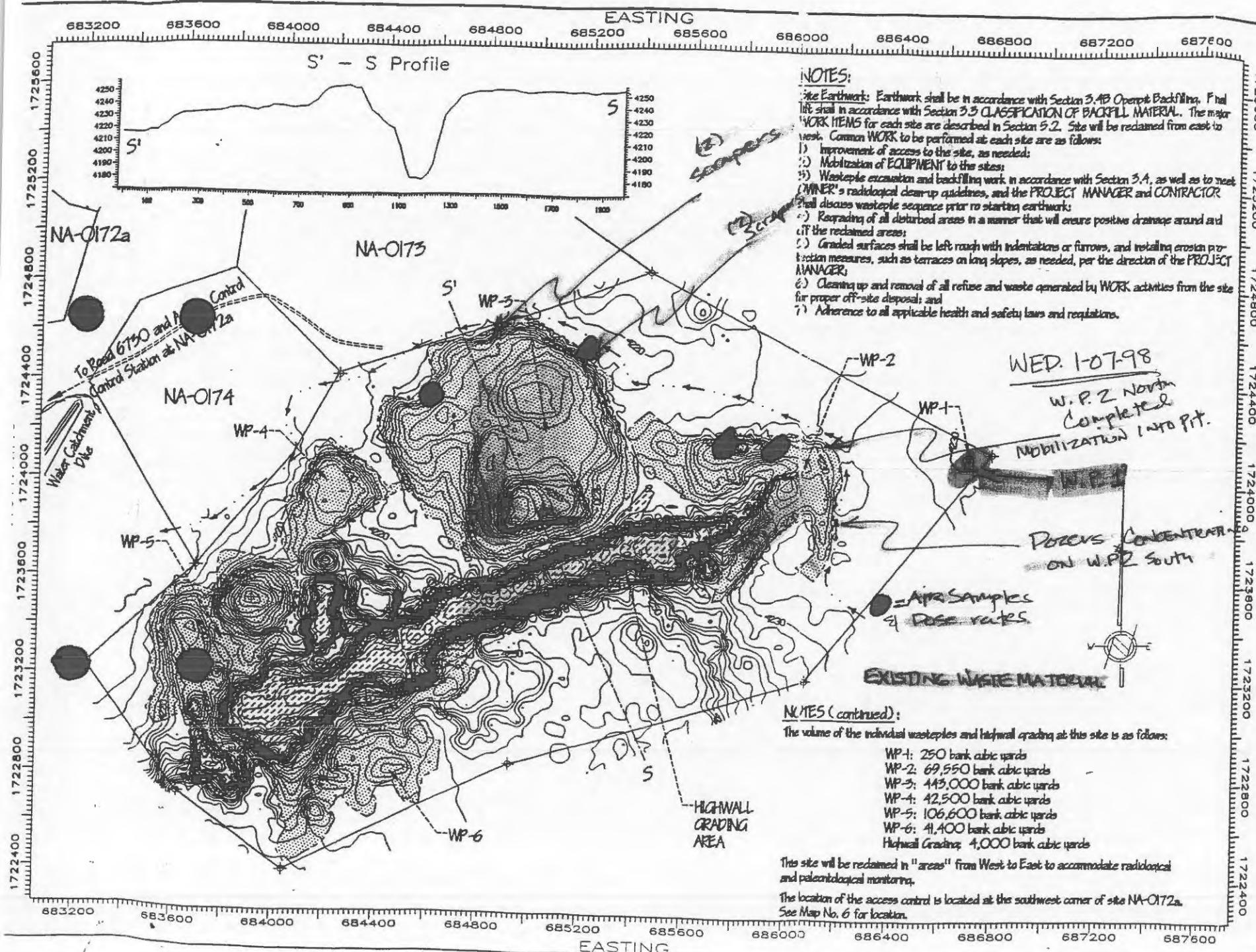
Approved By: S.

Revision(s): 10/

Data Collected By

Date(s): Feb. 27-

THE NAVAJO NATION  
NAVAJO ABANDONED  
Tuba City Field 01



MINE SITE VISIT REPORT  
NAVAJO AML RECLAMATION DEPARTMENT

Date(s) of visit: January 6, 1998

Mine/Project Name: Cameron, Arizona

Duration of Visit: 8 hours

Observation:

I arrived at the Cameron-3 Project site at 0800. Guy Horsen, Frankie Allison(Trades Helpers)and Ben Zahne(Environmental Technician II) were at the access control trailer. Ben was reviewing reports while Guy and Frankie were doing QC checks on all the counting instruments. Ernest Greyeyes(Engineering Technician III) and Troy Delmar(Environmental Technician I) were on site monitoring the construction activities. When I arrived at the site I was informed that there were four Tseyi personnel waiting for me to give them the radiation worker orientation. Since there was no previous arrangements from Jack Boyd, I was unprepared to give the class. I had given radiation worker orientation the day before at the Monument Valley -3 Project site so I had some spare TLD badges and a copy of the training material. Jack took me to his trailer where I made additional copies of the training material. When we got back to the access area, I gave radiation worker training to Gilbert Benally, Tyrone Silver, Raymond Begay and Bennie Clark. Jack Boyd has been informed in the past if he wanted training for his personnel, he needs to make a request a least a week in advance.

This morning when I arrived I was told by the personnel that a cow had died on site sometime over the New Years weekend. The rangers had been contacted to make a report and to notify the owners. At approximately 1300 Rangers Bensen H. Nez and Sean Fatt arrived. Ben Zahne and I escorted the rangers to the location where the cow was lying. The cow had died at north east of waste pile-3 along the main haul road to waste pile 1 and 2. Ranger Nez said that the cow probably died from some the vegetation it ate. Ranger Nez said that he found no sign of wounds and it appeared that the cow died without a struggle after it had fell over. The cow was removed with one of the scrapers and taken to an area north of the site and outside the project area. The investigation was done at the request of Jack Boyd so his company would be liable.

On my site tour today there was three scraper hauling from waste pile 2 and 3. All the mine waste was almost completely removed from waste pile 2. At approximately 1100 Kee Chee had the scraper move to waste pile 3 and left the motor grader to finish scraping up the loose mine waste. Two of the dozers are pushing material into the east end of the pit from waste pile 1. One of the dozer is assisting the scrapers at waste pile 3, by knocking down the high walls. Two water trucks are busy in ~~10W~~ separate areas of the work area, trying to maintain dust control. Today there is one palaeontologist on site. Caroline Orell is on site for the Museum of Northern Arizona.

This afternoon I reminded Kevin Healy to remove the barrel of waste oil. Kevin had Loretta Williams and Raymond Begay dispose the oil properly as I was leaving the site. Loretta and Raymond were working in the mechanic yard assisting Kevin service the equipment.

On the afternoon site tour, there are four scrapers hauling from waste pile and placing material against the south high wall of the pit. The dozer are still working in the same area as this morning and the water trucks are still doing their business in the same areas.



MINE SITE VISIT REPORT  
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Contacts:

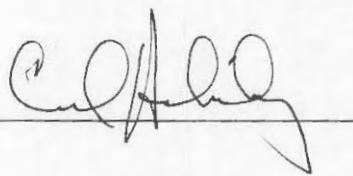
AML Staff: Ben Zahne, Troy Delmar, Guy Horsen, Ernest Greyeyes, and Frankie Allison

Museum of Northern Arizona: Caroline Orell

Tseyi Corporation: Jack Boyd, Dean Chee, Kee D. Chee, Henry Shorthair, Guy Truex, Loretta Williams, Tyrone Silver, Gilbert Benally, Raymond Begay, Bennie Clark, Terry Yazzie, Jerry C. Begay and Shirley Williams.

Recommendations: AML needs some type of enforcement power to make the contractor comply with the some of the safety issues that are brought to their attention.

Submitted by:



Title: Health Physicist

MH  
1/9/98

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 1-06-98

MINE/PROJECT NAME: CP. 3 NA-175

DURATION OF VISIT: 0800 - 1530 HRS.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATION, RADIOMETRICS, etc.

CLEAR, WARM - NO BREEZE

OBSERVATIONS: 0800 HRS > ARRIVED @ A.C., NA-175 W/ FRANKIE ALLISON

- ARRIVED 30 MIN. LATE TO SITE, DUE TO LOW ON PETRO, REFUEL @ CAN. CHEV.

0830 HRS > CARL HOLIDAY, H.P. DEPARTS W/ JACK BOYD, BEN ZAHNE ARRIVES @ A.C.

0834 > ON SITE @ EAST END OF MAIN PIT, @ W.P. 2, SCRAPERS

#258 > OP. TERRY YAZZIE, #864 > OP. GUY TWEAK, 2000 GAL. #081 > STELLA CLAW, 2000 Coal. 09701 > SHIRLEY WILLIAMS.

0930 > BEGIN AM AIR SAMPLE @ W.P. 2 SOUTHERN, JUST EAST OF NATURAL KNOB.

D-9 H #495 > JERRY C. BEGAY, D-9 H #692 > KEE CHEE (FOREMAN)

D-9 R #788 > DEAN CHEE

1000 HRS > PALED PERSONNEL ON SITE @ WEST NATURAL HILLS -

#502 GRADER BLADE > OP. HENRY SHORTHAIR

1010 HRS > COMPLETED AM AIR SAMPLE, CFM =  $2.0 \times 28.52(56.64) \times 40 \times 100(2.27^{EC})$  VP.

BEGIN COLLECTION OF DOSE RATES & VERIFICATION W/ MODEL 19 #705.

DATA'S @ 1-METER & 1 foot > 20, 18, 14, 13, 15, 16, 12 (0 REMS/Hr)

1100 HRS > CARL HOLIDAY (H.P.) ON SITE @ W.P. 2 BRIEFING BY ERNEST GREYES.

POSITION: 1200 HRS > LUNCH TIME FOR ALL PERSONNEL @ MAIN YARD.

1234 > BACK ON SITE, OBSERVATIONS FROM SOUTH HIGHWALL W/ CARL HOLIDAY.

1248 HRS > (1) ADDITIONAL SCRAPER ENTERS SITE, SCRAPER 860 > OP. GILBERT BENALLY.

(4) SCRAPERS IN OPERATION @ W.P. 3 (2) @ EAST END (2) @ WEST END STRETCH.

1330 > BEGIN P.M. SAMPLE @ EAST END OF PIT @ NOW FORMER W.P. 2. (DON'T →)

CONTACTS: ERNEST GREYES, BEN ZAHNE, CARL HOLIDAY, FRANK ALLISON, GUY HORSEN

KEE CHEE, JACK BOYD, DEAN CHEE, GUY TWEAK, HENRY SHORTHAIR, SHIRLEY, LORETTA

WILLIAMS, STELLA CLAW, JERRY C. BEGAY, KEVIN HEALEY, TERRY YAZZIE, GIL-

BENALLY, TYRONE SILVER.

NAME: T. Delmar CR

TITLE: Can Tech 1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 1/06/98

1400 Hrs > D-9 788 BACK FROM FORMER W.P. 6 MOUND-OFFS TO W.P. 3 PUSHING  
SCRAPERS, 860; Pose rates & Verifications off MODEL 19<sup>A</sup> 705 @  
16, 17, 18, 19, 20, 22 (URMS/Hr) for W.P. 3.

1410 > Completed PM Sample, w/FM @  $2.0 \times 28.32(56.64) \times 40 \times 1000 (2.27 \text{ cu yd})$

1520 > Back @ A/C for Unrestricted releases, FRISKOUT.

1530 > Depart NA-175 A/C w/ Frankie Allison, Ben Zehne on Site  
Carl Holiday also departs for S/R via TC AML.

CR

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 01-05-98

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 HRS - 1530 HRS

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS, etc.

PART CLOUDY, COLD & WINDY EASTERLY.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 w/ FRANKIE ALLISON, GUY HORSEN @ ACCESS CONTROL PERFORMING Q.C. ON ALL RAD. INSTRUMENTS.

0726 HRS > OPERATORS & EQUIPMENTS ENTERING SITE TO W.P. 2 & W.P. 3.

0737 HRS > ON SITE @ NORTH END OF W.P. #2, 2 SCRAPERS @ W.P. 2

#858 > TERRY YAZZIE, #860 > RUDY HORSEHERDER, D-9 R# 788 > DEAN CHEE.

0744 HRS. > @ W.P. 3 SOUTH END, ABOVE MAIN PIT, D-9H #4957 JERRY C. BEGAY.

D-9H #6912 (IDLE), MOTOR BLADE #502 IN MAIN PIT > OP. HENRY SHORTHAIR.

0820 > BEGIN AM AIR SAMPLE @ SOUTH END OF W.P. 2, 3 SCRAPERS, 1 DOZER (1) BLADE, SCRAPER #864 > OP. TYRONE SILVER, 2000 GAL. H<sub>2</sub>O TRUCK #081 OP. STELLA CLAW.

0900 HRS > COMPLETION OF AM 40 MINUTE AIR SAMPLE RUN w/ CFM = 2.0 x 28.32 = (56.64) = X 40 x 1000 (2.27 E<sup>6</sup> VOLUME PULLED) 1200 HRS > LUNCH, ALL PERSONNEL @ MAIN YD.

1255 HRS > BACK ON SITE @ EAST END OF W.P. 2 & MAIN PIT, DOWNWIND EAST.

BEGIN PM AIR SAMPLE. 3 SCRAPERS, (2) H<sub>2</sub>O TRUCK, 2000 GAL 97017 SHIRLEY WILLIAMS N/ 081 > STELLA CLAW. KEE CHEE @ TOP OF W.P. 3.

FOLLOW UP: REMARKED SOME ELEVATED STREAKS w/ BEN ZAHNE, Tech-II.

1335 HRS > COMPLETED PM SAMPLE, CFM = 2.0 x 28.32 (56.64) x 40 x 1000 (2.27 E<sup>6</sup> V.P.)

1400 HRS > OBSERVATION & CATCH-UP ON REPORTS FROM SOUTH HIGH WALL.

BEN ZAHNE @ EAST END, ERNEST G'EYES @ WEST END OF W.P. 3.

1510 > BACK @ A/C TO DEPART, FRISKINT, UNRESTRICTED RELEASES BY GUY HORSEN →

CONTACTS: Kee Chee, Ernie G'eyes, Ben Zahne, Frank Allison, Guy Horsten, Dean Chee, Guy Trueax, Loretta Williams, Shirley Williams, Stella Claw, Tyrone Silver, Jerry C. Begay, Henry Shorthair, Larry Coats, Carol Orell.

NAME: T. Palmer

CK

TITLE: En. Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 1-05-98

1534 > Report A/C for T.C. AML w/ Frankie Allison -

Cy

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 12-31-97

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 HRS - 1500 HRS

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS, etc..

WEATHER > PART CLOUDY, COLD, WINDY..

NEW YEARS EVE... NO SITE VISITS FOR THUR & FRIDAY (1-01-98, 1-02-98)  
(per. JACK BOYO, TSEYI)

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 W/ FRANKIE ALLISON & GUY  
HORSEN (TRADES HELPERS) CPC. OF ALL RAD. INSTRUMENTS, SIGN-INS, etc.  
0738 HRS. > ON SITE @ EAST END OF W.P. 3, WILL NAPIER, SHAWN LOW  
ON SITE INSPECTING D-9H #692 Dozer (DOWN)

0748 > @ W.P. 2 North, D-9 #495 > Jerry C. BEGAY PUSHING SCRAPER #  
858 > TERRY YAZZIE, KEE CHEE (TSEYI Foreman) ON SITE IN HIS OWN  
POV. 3500 CHEVY TRUCK, D-9 R#788 Dozer > OP DEAN CHEE.

0823 > PALEO PERSONNEL > LARRY COATS ON SITE.

#502 MOTOR GRADER DOWN W/ FLAT RIGHT SIDE REAR TIRE.

(SUN STATE EQUIPMENT Co. DOING TIRE REPAIR, ISSUED Personnel -  
① ② ③ Dust Mask Breather ALSO ADVISED TO WEAR HIS SAFETY HAT)

0842 > ARRIVED @ RIVER BANK - 2000 GAL H2O TRUCK #081 > STELLA CLAW  
#9701 > SHIRLEY WILLIAMS, KEE CHEE, FOREMAN ASSISTING W/ WATER PUMP.  
0907 > D-9H #692 Dozer BACK IN SERVICE @ W.P. 3 SOUTH TO PIT VICINITY, OP-  
GUY TRUEAX, WILL NAPIER ASSISTING W/ TIRE CHANGE ON MOTOR GRADER  
#502. SCRAPER #<sup>④ 863</sup> @ W.P. 3 (Op. Terry Yazzie)

FOLLOW UP: 1030 HRS > BEGAN SCANNING @ W.P. 2 & Pit W/ MODEL 19.

Readings @ 15, 16, 17, 18, 20, 22 (UREMs/Hr)

1200 HRS > LUNCH, ALL Personnel @ A/C, YARD. Service Personnel Enter Site.

1300 HRS > BACK ON SITE @ EAST END OF NA-175, SCRAPPERS @ W.P. 2

EAST END #860 > TYRONE SILVER, #864 > RUDY HORSEHERDER, #863 TERRY

CONTACTS: Ernie Greeyes, Ben Zahn, Frankie Allison, Guy Horser, Kee Chee  
Guy Trueax, Will Napiers, Henry Shorthair, J.C. Begay, Tyrone Silvers,  
Shirley/Loretta Williams, Stella Claw, Rudy Horseherder, Terry Yazzie  
Larry Coats, Kee Chee, Gilbert Benally, Dean Chee, Kevin Acely.

NAME: T. Palmer

TITLE: En Tech - I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
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YAZZIE, #502 GRADER BLADE > Henry ShortHair BACK IN SERVICE.

D-9 #788 PEAN CHEE, KEE CHEE @ W.P. 3, 2000 Gal H2O #81 > Steve Claw.

1400 hrs > @ W.P. 3 #495 D-9 # DOZER > Op. Jerry C. Begay, D9H 692 Guy Tiveax

1500 hrs > SHUTDOWN, Equipments back @ MAIN YARD, Unrestricted releases  
on departing Units, personnel Friskouts, etc.

1540 > Report NA-175 for AML w/ Frankie Allison.

CH

MINE SITE VISIT REPORT  
NAVAJO AML RECLAMATION DEPARTMENT

Date(s) of visit: December 30, 1997

Mine/Project Name: Cameron, Arizona

Duration of Visit: 5.5 hours

Observation:

I arrived at the Cameron-3 at 0930. This morning I had to stop at the Monument Valley-3 project site to pick up a box of swipes. Guy Horsen, Frankie Allison and Ben Zahne were at the access control trailer. Frankie and Guy were doing QC checks on all the counting instruments. Ben was working busy reviewing reports and survey data. Ernest Greyeyes(Engineering Technician III) and Troy Delmar(Environmental Technician I) were on site monitoring the construction activities. This morning I did quarterly TLD exchanges with the help from both Trades Helpers. We found that there were five TLD badges missing. The missing badges belonged to Tseyi personnel Rose Tso, Alfred Mariano, Gilbert Tso, Jerry C. Begay and Jerry Yazzie. This morning I issued six quarterly bioassay bottles to selected personnel who are chosen to be representatives for the rest of the personnel on Cameron-3 site. Ernest Greyeyes (Engineering Technician III) and Ben Zahne (Environmental Technician II) for Navajo AML Program. Loretta Williams (water truck driver), Guy Trueax, and Terry Yazzie (equipment opeators) were selected to submit bioassay samples for Tseyi personnel and Larry Coats was selected to submit for the Museum of Northern Arizona. The bioassay bottles will be for the fourth quarter monitoring period. I found out that Jack Boyd had three personnel working on site that did not have radiation worker orientation. Tseyi personnel Gilbert Tso, Tyrone Silver and Paul Schell needed the training and Jack Boyd never made any type of arrangements to have the training done.

1330 to 1500 I went on site to watch the site activities. This afternoon there were two scrapers hauling from waste pile 2. Two dozers are pushing material from waste pile 3 and two water trucks are maintaining dust control on site. One motor grader is maintaining the haul roads.

1500 to 1530 Ernest Greyeyes and I did a safety walk thru around the mechanic yard and the fuel storage area. Some of the items observed are:

- 1) There are two used equipment batteries stored out in the open. I had mention this to Kevin Healy before and at that he informed me that the batteries was going to be sent back to the vendors as core replacements. One of the battery cover was missing and had the potential to spill battery acid.
- 2) A barrel of waste oil and anti-freeze mixture is still stored by one of the out of service water trucks. On December 18, 1997 I told informed Kevin Healy to store the waste oil properly before it spilled. During this inspection the waste oil was not taken care of.
- 3) A waste oil storage tank, currently not being used is located near the parts storage van. I informed Ernest Greyeyes to make sure that the tank is moved to the fuel storage area before the tank is put to use.
- 4) We found two bottle that had been used to store gasoline. We found a water bottle near the little power plant that had been used for storing gasoline. The bottle still had about a cup of gasoline in it. At the fuel storage are we found more gasoline stored in a used anti-freeze jug. These bottles are not approved to store and transport gasoline products.

MINE SITE VISIT REPORT

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- 5) There is still broken bottles and soda cans inside the fuel storage berms. Kevin Healy was informed to do some house keeping in this area on 12/18/97.
- 6) There still some canned lubricants, starting fluids at different locations that was also mentioned to Kevin Healy to collect and store at one location on 12/18/97.

CONTACTS:

AML staff Ben Zahne, Troy Delmar, Guy Horsen, Ernest Greyeyes and Lawrence Begay  
Museum of Northern Arizona

Grace Irby and Mary Carpenter

Tseyi Corporation

Jack Boyd, Kee D. Chee, Henry Shorthair, Guy Truex, Loretta Williams, Terry Yazzie, Shirley Williams, Jerry C. Begay and Kevin Healy.

Recommendations: Currently there is no action done on some of the safety concerns on the part of Tseyi Corporation. I would some type of authority to shut down an operation to enforce the safety concerns until the items are addressed by Tseyi personnel.

Submitted by: Confidential

Title: Health Physicist

mhy  
1-9-98

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 12-30-97

MINE/PROJECT NAME: C.P.-3 NA-175

DURATION OF VISIT: 0710 HRS - 1515 HRS

PURPOSE OF VISIT: RADIOMETRICS, H.P. MONITORING, VERIFICATIONS.

(Clear/Sunny Day)

OBSERVATIONS: 0710 HRS > ARRIVED @ NA-175 ACCESS CONTROL STATION w/ FRANKIE ALLISON (T.H.) ROUTINES BY FRANKIE & GUY H. (BOSSES SCHEDULED TODAY)  
0728 HRS > OPERATORS DAPARTING FOR SITE, KEE CHEE GOT HIS CREW CAB BACK (1 TON 1991 FORD #131)

0748 HRS > @ W.P. 2 RESIDUAL, SCRAPERS #858 > TYRONE SILVER, #863 > op. TERRY YAZZIE, #864 > RUDY HOSEHEDER, I BEGAN SCANNING w/ MODEL 19 AFTER EACH SCRAPER RUNS, 20, 18, 22, 22, 19, 17 (0 REM/HR)  
MOTOR GRADER #502 > op. HENRY SHORTHAIR IN PIT VACINITY  
0800 > Completed Verifications/Dose rates for W.P. 2, Readings in some area still elevated @ 40, 42, 46, 50 (0 REM/HR).  
@ W.P. 3 SOUTH END INTO Pit Area (3) Dozers, #495 D-9 H > op. Jerry C. Begay, #692 D-9 H > op. Guy Trueax, D-9 R #788 > Dean Chee.  
1010 HRS > MELVIN YAZZIE, Arrive @ A/C (per ERNIE GREYES)  
KEE CHEE, TSEYI FOREMAN Observing from South end of W.P. 2, UPDATE FOREMAN ON Some streaks & is aware of MARKED AREA'S (elevated).

FOLLOW UP: 1032 HRS > ERNEST G & MELVIN YAZZIE OBSERVE FROM SOUTH HIGH WALL.  
1120 > Ben Zahne performing air sample w/ RAD-CO #710 Sampler @ W.P. 2 N/W.  
Later. Advised Filters not the right ones, to thick...

2 Scrapers @ W.P. 2 ALONG w/ Motor Grader, 1 2000 Coal H2O Truck.  
1200 HRS > BACK @ A/C, LUNCH FOR PERSONNEL, SERVICE PERSONNEL ENTER SITE →  
CONTACTS: ERNST GREYES, BEN ZAHNE, FRANKIE ALLISON, Kee Chee, Guy Trueax  
Loretta Williams, Shirley Williams, Stella Clark, Wayne Yourella, Henry Short-hair, Jerry C. Begay, Terry Yazzie, Tyrone Silver, & Terry Yazzie.  
Carl Holiday (H.P.), Melvin Yazzie

NAME: Troy Delmar

TITLE: En. Tech 1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 12/30/97

Wayne Yonvella, Lovetta Williams. Carl Holiday (H.P.) Conducting TLD' Citations  
@ Access Control Station, (All personnel).

1300 Hrs > Back on Site @ East End of W.P. 2. D-9E788 Dozer  
IN MAIN P.I. AREA, @ W.P. 3 TOP PORTION, D-9 H<sup>#</sup> 495 & D-9 H<sup>#</sup> 692.

1400 hrs > ERNEST G. & CARL H. Observations from South High Wall.

H2O TRUCKS 2000 Gal. #9701 & #081 Both in Operation / Stellar Claw / Shirley W.

1500 Hrs - back @ A/C for Unrestricted Release, Catch up on reports  
Ben Zonne, Tech II still on Site until Shut down @ 1600 hrs.

1515 Hrs > Report NA-175, A.C. for Tuba City AUL w/ Frankie Allison

C/H

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 12-29-97

MINE/PROJECT NAME: Cp-3, ~~10~~ NA-175

DURATION OF VISIT: 0700 HRS → 1610 HRS

PURPOSE OF VISIT: H.P. MONITORING, VERIFICATIONS, RADIOMETRICS, etc.

WEATHER: Clear, Sunny NO PALED, TODAY. CALL-IN BY CAROLYN ORELL.

OBSERVATIONS: ARRIVED @ NA-175, A.C. STATION W/ FRANKIE A., GUY H. @ 0700 HRS FROM T.C. AML. USUAL ROUTINE PERFORM BY BOTH TRADES-HELPERS, QC'ING OF ALL RAD INSTRUMENTS, MADE SURE ALL PERSONNEL SIGN IN @ A.C. BEFORE DEPARTING FOR SITE.

0726 HRS > EQUIPMENTS / OPERATORS DEPART FROM MAIN YARD TO 173. SITE 173, W.P. 3 MID-SECTION, AREA OF WORK, TODAY.

0740 HRS > ON SITE @ W.P. 3 TOP PORTION, (2) DOZERS D-9 #495 > JERRY-C. BEGAY, D-9 H #692 > GUY TRWEAX, MOTOR BLADE #502 > HENRY SHORTHAIR. 0800 HRS > 2 SCRAPERS @ W.P. 3 NORTH WEST END STRETCH, #858 > TYRONE SILVER, SCRAPER #863 > TERRY YAZZIE.

0815 HRS > EQUIPMENTS STILL @ MAIN YARD... SCRAPERS #864, #862, #859, #860 4000 GAL. #143 H<sub>2</sub>O TRUCK. BEN ZAHNE, TECH II ARRIVES @ A/C FROM T.C. AML. H<sub>2</sub>O HAULERS FROM RIVER BANK TO W.P. 3, 2000 GAL H<sub>2</sub>O TRUCKS #9701 SHIRLEY WILLIAMS, #080 > STELLA CLAW, ERNEST GREY-EYES ALSO ARRIVES @ A/C. 1000 HRS > BEGIN COLLECTIONS OF DOSE RATES FOR W.P. 3 & IMMEDIATE VICINITY.

FOLLOW-UP: READINGS OFF MODEL 19-705 - AVG OF 18.4 (U/REMS/Hr).

3 DOZERS ON W.P. 3 SOUTH END AREA INTO MAIN PIT 495, 692, D-9 #788 > O.P. DEAN CHEE. COLLECTED MORE DOSE RATES @ N/W SECTION, SCRAPERS #858, #863 IN OPERATION. READINGS @ 22, 20, 18, 22, 26, 24 (U/REMS/Hr).

1200 HRS > LUNCH FOR ALL PERSONNEL, W/ THE ACCEPTANCE OF SERVICE PERSONNEL →

CONTACTS: ERNEST GREY-EYES, BEN ZAHNE, KEE CHEE, GUY TRWEAX, JERRY C BEGAY HANK SHORTHAIR, TERRY YAZZIE, KEE, DEAN CHEE, SHIRLEY WILLIAMS, STELLA CLAW. FRANKIE ALLISON, GUY HORSEN, WAYNE YONVELLA, KEVIN ITALY.

NAME: T. Rohner

TITLE: En tech #01

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 12/29/97

ENTERING SITE @ 1205 hrs. SERVICE TO ALL P-9 DOZERS, SCRAPERS.

1240 hrs > BACK ON SITE @ NA-175 EAST END OF MAIN PIT, SCRAPERS SWITCHED

TO RESIDUALS OF W.P. 2 & IMMEDIATE VACUITY, HOT SPOTS MARKED OFF w/  
(FLUORESCENT)

~~ED~~ ORANGE MARKING PAINT. #858 Scraper > Tyrone Silver, #863 Terry Yazzie

MOTOR BLADE #502 > OP. Henry Shorthair, D-9 #788 > Dean Chee

1300 hrs. > OBSERVATIONS FROM SOUTH END SECTION, NEAR PIT, D-9 H 692 operated  
by ALV TRWEAX - D-9 H 495 > OP. JERRY C. BEGAY, 2000 Gal. #080 > SKID CLAW.

1332 hrs > Ernest Grayeyes, Tech III observing from top of South Highway Wall

KEE CHEE, Foreman Directing traffic @ East end of W.P. 3.

1400 hrs > Scanned W.P. 2 Residual  $3.89 \times 10^3$ ,  $2.60 \times 10^3$ ,  $3.90 \times 10^3$ ,  $4.10 \times 10^3$ ,  $7.89 \times 10^3$ ,  $1.10 \times 10^4$   
MARKED OFF SOME MORE ELEVATED STREAMS FOR SCRAPERS

1500 > BACK @ A/C, Ben Zahne on Site @ W.P. 3 East Observing.

1534 > Depart ~~NA-175~~ <sup>NA-175</sup> for T.G.AUL...

OK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 12/24/07

MINE/PROJECT NAME: CP. 3, NA-175

DURATION OF VISIT: 0700 HRS. - 1527 HRS

PURPOSE OF VISIT: HP MONITORING, VERIFICATIONS, RADIOMETRICS, etc.

WEATHER: CLEAR DAY, SLIGHT BREEZE EASTERNLY..

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 A.C. W/ FRANKIE ALLISON, GUY-HORSEN @ A.C. TRAILOR CONDUCTING Q.C.S ON ALL RAD. INSTRUMENTS.

0810 HRS > @ W.P. 2, NO MACHINERY, BEGIN SCANNING RESIDUALS W/ ESP-1 #797 W/ SPA-3 #813, READINGS @  $5.60^{E3} = 6.18 \text{ (pcy/gm)}$   $5.20^{E3} = 5.86^{E3} \text{ (pcy/gm)}$   
MARKED OFF SOME HOT SPOTS W/  $3.29^{E4} = 42 \text{ (pcy/gm)}$   $4.00^{E4} = 51 \text{ (pcy/gm)}$

0830 HRS > BEGIN VERIFYING @ W.P. 3 SOUTH (3) DOZERS PUSHING W.P. INTO MID SECTION OF MAIN PIT (MOBILIZATION OF W.P. 3 INTO PIT BEGAN @ 0740 HRS)  
SCRAPERS & OPERATORS, #863 > TERRY YAZZIE, #858 > TYCO NE SILVER, SCRAPER-#862 IS DOWN THIS AM, READINGS IN VACINITY OF W.P. 3 @  $6.80^{E3} = 8.0 \text{ (pcy/gm)}$   $7.00^{E3} = 8.0 \text{ (pcy/gm)}$ ,  $7.25^{E2} = 8.3 \text{ (pcy/gm)}$ .

0900 HRS > (3) DOZERS @ SOUTH W.P. 3, D-9 R 788 > Op. DEAN CHEE, D-9H #692 -  
Op. GUY TRUEAX, D-9H #495 > Op. JERRY C. BELAY, MOTOR GRADER #502 > Op HENRY SHORTHAIR ON SCRAPER ACCESS ROADS.

0910 > BACK @ A.C. TO CATCH UP ON REPORTS, FRANKIE A. & GUY H. @ YARD. BEN ZADIE HAS NOT SHOWN UP, TODAY (LEAVE?). W.P. 3 SOUTH, READINGS @  $6.30^{E3}$ ,  $5.40^{E3}$  -  $5.60^{E3}$ ,  $4.80^{E3}$ ,  $6.80^{E3}$ ,  $6.66^{E3}$ ,  $6.71^{E3}$ . Collected Dose rates for same vacinity w/

FOLLOW-UP: Model #19 Readings @ 18, 16, 20, 22 (u/rem/hr.)  
AIR Sampler #755 - Fuse to the Sampler burned out this AM (No Sample)  
1021 > 2 Scrapers @ W.P. 3 North, #862 > Op. Rudy Horseholder (862 Down @ 0940 hours w/ Broken Motor Mount Bolts.

1155 hrs) EQUIPMENTS departing Site. (Half day work today,.. per Kee Chee >  
CONTACTS: ERNEST GREYES, GUY HORSEN, FRANKIE ALLISON, KEE CHEE, HENRY SHORTHAIR, GUY TRUEAX, RUDY HORSEHOLDER, TERRY YAZZIE.

NAME: T. Palmer

TITLE: En. Tech -1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1200> BACK @ ACCESS CONTROL STATION FOR LUNCH, Unrestricted RELEASES TO  
DEPARTING UNITS, FRISKING OF PERSONNEL.

1300> DEPART NA-175 FOR EAML w/ FRANKIE ALLISON, ERNIE G Reports w/  
Guy Hansen (SOUT DOWN REAR THE DAY) CW

(12/25 - 12/26 / HOLIDAY Observed...X-MAS) Letters..

CA

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 12-23-97MINE/PROJECT NAME: CP-3, NA-175DURATION OF VISIT: 0700 HRS - 1530 HRS.PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONSWEATHER > CLOUD OVERCAST, MUDDY ROAD CONDITIONS ON ROUTE 6730

OBSERVATIONS: 0700 HRS. > ARRIVED @ NA-175 A/C W/ FRANKIE ALLISON & GUY-HORSEN (TRADES HELPERS). @ 0720 EQUIPMENTS BEGIN ENTERING SITE THE WHOLE SITE AREA PRETTY MUCH DRENCHED & MUDDY CONDITIONS. (FROM YESTERDAY'S RAIN, CLOUDS FORMING, AGAIN W/ SLIGHT BREEZE.)

FRANKIE A. & GUY H. DOING Q.C. ON ALL RAD, INSTRUMENTS, EACH OPERATORS & AML STAFF ARE REQUIRED TO SIGN-IN @ A/C UPON ENTERING SITE.

0803 HRS > ON SITE @ NORTH END OF W.P. 3, SCRAPERS #863 > op. TERRY YAZZIE #862 > op. RUDY HORSEHERDER, #858 > op. TYRONE SILVER, D-9 H #495 > op. JERRY C. BEGAY, D-9 R #788 > op. DEAN CHEE ALL CONCENTRATING ON W.P. 3.

1000 HRS > SCANNED W.P. 3 W/ MODEL #19 AVG. READINGS. (16.3 (UREMYHR) (Dose rates)

1046 HRS > CLOUDS BEGIN BREAKING UP & CLEARING UP... @ SOUTH HIGHWALL OBSERVE.

1200 HRS > ALL TSEYI PERSONNEL AND AML STAFF BACK @ MAIN YARD FOR LUNCH. (ONLY SERVICE & OILMEN ENTER SITE FOR SERVICING OF ALL EQUIPMENT)

1300 HRS > BACK ON SITE @ MAIN PIT VACINITY, #502 MOTOR GRADER IN VACINITY WITH SCRAPERS FROM W.P. 3 TO PIT VACINITY, COLLECTED MORE DOSE RATES.

@ W.P. 3 SOUTH END INTO PIT, D-9 H #495 > op. JERRY C. BEGAY, D-9 H #692 > -

~~FOLLOW-UP:~~ GUY TRUEAX, SCRAPER #862 > RUDY HORSEHERDER, #858 > op. TYRONE-SILVER, #863 > op. TERRY YAZZIE.

1420 > @ SOUTH HIGHWALL OBSERVING W/ BEN ZAHNE (Tech II)

1500 > BEN Z. & GUY HORSEN CONT SOME READINGS FOR FINAL VERIFICATIONS FOR NA-174. READINGS PRETTY LOW, AVG. READING @ 8.4 (PCI/9M) →

CONTACTS: ERNEST GREYES, BEN ZAHNE, GUY HORSEN, FRANKIE ALLISON KEE D. CHEE, GUY TRUEAX, HENRY SHORTHAIR, JERRY C. BEGAY, DEAN CHEE, TYRONE-SILVER, KEVIN HEALY, LORETTA, SHIRLEY WILLIAMS, STELLA CLAW.

NAME: I. DelmarTITLE: EN. TECH-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1516> BACK @ A/C FOR UNRESTRICTED RELEASE ON UNIT #645

1534> Depart NA-175, A.C. For TUBA CITY AML w/ FRANKIE ALLISON.

\* NOTE = NO AIR SAMPLE TODAY, MUDDY CONDITIONS (NO DUST)

(P)

Ck

MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 12-22-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1530 HRS

PURPOSE OF VISIT: H.P. Monitoring, Radiometrics, Verifications

Weather - Overcast, Slight Drizzle

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175, ACCESS CONTROL W/ GUY HORSEN & FRANKIE ALLISON, (TRADES HELPERS). SCRAPERS, D-9 DOZERS WARMING UP @ MAIN YARD. WAYNE YOUNELLA, SERVICE MAN INSPECTING EQUIPMENTS.

0725 HRS > OPERATORS DEPART FOR SITE FROM MAIN YARD.

0734 HRS > ON SITE @ SOUTH OF W.P. 3. KEE D.CHEE FOREMAN @ FORMER W.P. 2 VACINITY, DOING OBSERVATIONS OF AREA. 2 SCRAPERS @ W.P. 3 THIS AM. #862 > OP. RUDY HORSEHOLDER, #858 > OP GILBERT BENALLY.

# D-9 R788 DOZER @ SOUTH END STRETCH OPERATED BY DEAN CHEE.

D-9 H# 495 DOZER IN THE SAME VACINITY, OPERATOR JERRY C. BEGAY.

D-9 H# 692 DOZER IS IDLE, TODAY. SCRAPER #863 ENTERS SITE @ 0748 HRS OPERATED BY TERRY YAZZIE (CONCENTRATING ON WEST END-STRETCH INTO MID SECTION OF MAIN PIT. MOTOR BLADE #502 (OP. HENRY SH-

ORTHAIR) WIND ROLLING AFTER SCRAPERS IN PIT VACINITY.

0800 HRS > DRIZZLE RAIN PICKING UP FROM THE WEST TO EASTERLY.

0911 HRS > KEVIN HEALY DOING REPAIRS ON DOZER #692 @ W.P. 3. (RAINING) ERNEST GREYEYES CONVERSING W/ KEE CHEE, FOREMAN @ NORTH END OF W.P. 3.

FOLLOW-UP: 1015 HRS > OBSERVATION FROM SOUTH HIGHWALL W/ ERNEST G & BEN Z. DUE TO RAIN, NO AM AIR SAMPLE WAS PERFORMED. BEGAN COLLECTING DOSE-  
~~RATE~~ RATES SINCE RAIN SUB-DUED @ 1100 HRS FOR W.P. 2 VACINITY.

Avg. READING W/ MODEL 19 & 19 (UREM/HR).

1130 HRS > AVERAGE READINGS FOR W.P. 3 SOUTH END @ 18.0 (UREM/HR) →

CONTACTS: ERNEST GREYEYES, BEN ZAHNE, FRANKIE ALLISON, GUY HORSEN, KEE CHEE, DEAN CHEE, GUY TRUEAX, HENRY SHORTHAIR, TERRY YAZZIE, RUDY HORSEHOLDER, KEVIN-HEALY, JERRY C. BEGAY, GILBERT BENALLY, STELLA CLAW, SHIRLEY WILLIAMS, LORETTA-WILLIAMS

NAME: TROY DELMAR

TITLE: EN.TECH #01

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1200 HRS > OPERATORS / AML STAFF BACK @ MAIN YARD FOR LUNCH. (30 MIN.)

DEPART FOR CAMERON CHEVRON STATION FOR PETRO, LOW ON FUEL.

1300 HRS > BACK ON SITE @ NA-175, W.P. 3. (2) DOZERS STILL IN THE SOUTHEND  
VACINITY OF W.P. 3, D-9 R #788 > DEAN CHEE, D-9 H #495 > JERRY O. BEGAY.

(2) SCRAPERS @ W.P. 2, # 862 > RUDY HORGERDER, #858 > GILBERT BENALLY  
#502 MOTOR BLADE GRADER > OP. HENRY SHORTHAIR ON SCRAPER HAULING  
ROADS. (STILL RAINING W/ OVERCAST & SHIFTING WINDS)...

1320 > SCRAPER #863 ADVISED TO MOVE TO W.P. 3 WEST END STRETCH  
BY KEE CHEE (Foreman).

1430 > D-9 H 692 COMPLETION OF REPAIRS BY KEVIN HEALY, BACK IN OPERATION  
@ W.P. 3 SOUTH INTO PIT. (OP. GUY TRUEAX)

NO P.M. AIR SAMPLE TODAY, DUE TO RAIN.

1506 > BACK @ ACCESS CONTROL, BEN ZAHNE ON SITE @ SOUTH HIGHWALL  
W/ ERNEST GREYEMES FOR OBSERVATIONS & H.P. MONITORING.

1524 > DEPART NA-175 ACCESS CONTROL STATION W/ FRANKIE ALISON FOR AML.

AB

CH

Received & Noted:  
Date:



**TRIP REPORT**  
**NAVAJO AML RECLAMATION PROGRAM**  
**DEPARTMENT NO. 94**

1. Travel Authorization No. 868728      Date Submitted: December 19, 1997
2. Destination: Cameron 3 Project areas.
3. Objectives: To conduct construction inspection of Cameron 3 Project.
4. A) Summary of trip, including person(s) and organization(s) contacted, and date(s):

12/18/97: Inspection of the last Cameron 3 Project site, NA-0175, was conducted in accompaniment with Messrs. Melvin Yazzie, Carl Holiday, Ernest Grayeyes and Troy Delmar. Reclamation work was progressing smoothly. About 50% of the work is complete. Toward the end of the work, the drainage pattern need to be checked using leveling instruments. Highwall slope reduction will also be necessary at certain areas depending on how much would still remain after the openpit backfilling is complete. The spillway work would begin sometimes in February. Mr. Perry Charley should consider extending the Contract Time to June 1998 to allow the Contractor complete the additional work at the Coal Mine Mesa site.

B) Recommendations: 1. Extend the Contract Time. 2. Check the drainage patterns and plan on final highwall slope reduction beforehand. 3. Complete the field survey work necessary to lay out the spillway foundation.

Submitted By: S. Deb Mora      Professional Engineer      12/19/97  
Title:      Date:

xc: Perry Charley, Program Manager, Shiprock AML Field Office.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 12-19-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS. - 1630 HRS.

PURPOSE OF VISIT: H.P. MONITORING, VERIFICATIONS, RADIOMETRICS, etc.

WEATHER > CLEAR, SLIGHT BREEZE EASTERLY.

NOTE: ERNEST GREVEYES 8 HE LEAVE TODAY.

OBSERVATIONS: ARRIVED @ NA-175 W/ FRANKIE ALLISON (TRADES HELP.) @ 0700 HRS.  
FRANKIE A. & GUY HORSEN (TRADES HELP) BEGIN Q.C.ING OF ALL RAD-  
INSTRUMENTS IN ACCESS CONTROL TRAILOR. TSEYI PERSONNEL SERVICE MAN  
WAYNE YOUNELLA HEATING UP ALL EQUIPMENTS, SCRAPERS, D-9 DOZERS, MOTOR-  
GRADER. 0724 HRS. > OPERATORS DEPARTING FOR SITE TO W.P. 3.  
0745 HRS. > ON SITE @ WEST END STRETCH OF W.P. 3, 3 SCRAPERS OPERABLE TODAY.  
SCRAPER #864 > TYRONE SILVER, #862 > ~~TYRONE SILVER~~<sup>(ID)</sup> RUDY HORSEHERDER  
SCRAPER #858 > GILBERT BENALLY, FROM W.P. 3 TO MID-SECTION OF MAIN  
PIT. (REFER TO MAP ATTACHED) DUST RISING SLIGHTLY  
0830 > BEGIN AM AIR SAMPLE FOR W.P. 3 (DOWN WIND BREEZE SHIFTING)  
STELLA CLAW 2000 Gal. H<sub>2</sub>O TRUCK OPERATOR (#031) HAVING PROBLEMS W/  
H<sub>2</sub>O PUMP GENERATOR @ RIVER POND, RELAYED INFORMATION TO TSEYI FORE-  
MAN, MR KEE CHEE @ 0843 HRS.  
0810 > COMPLETIONS OF AM AIR SAMPLE FOR W.P. 3 W/ RESULTS AS FOLLOW > CFM = 2.0 X  
 $28.32(56.64) \times 40 \times 1000$  (V.P. 2.27E6). SCRAPERS MOVING BACK TO W.P. 2 @  
EAST END OF MAIN PIT. D-9 #692 DOZER (GUY TRUEAX) D-9 #495 (JERRY C BEGAY)  
FOLLOW-UP: DON'T PUSHING W.P. 3 SOUTH END STRETCH INTO MAIN PIT.  
1000 HRS. > BEGIN SCANNING W/ MODEL 19 #705 FOR DOSE RATES @ W.P. 2 & TOP  
PORTION OF MAIN PIT (AVG. @ 41.6 (REMS/Hr)). 3 SCRAPERS, (MOTOR GRADER #502  
ALONG W/ 2000 Gal. H<sub>2</sub>O TRUCK #701) OP. SHIRLEY WILLIAMS. HENRY SHORTHAIK.  
1200 HRS. > Operators, AML PERSONNEL BACK @ MAIN YARD FOR LUNCH. →  
CONTACTS: KEE D. CHEE, BEN ZAHNE, FRANKIE ALLISON, GUY HORSEN, GUY TRUEAX, JERRY C.  
BEGAY, HENRY SHORTHAIK, LORETTA, SHIRLEY WILLIAMS, STELLA CLAW, WAYNE YOUNELLA, KEVIN H.  
EALY, TYRONE SILVER, RUDY HORSEHERDER, GILBERT BENALLY.

NAME: TROY DELMAR

TITLE: EN.TECH.-1

MINE SITE VISIT REPORT  
Nava AML Reclamation Departr

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Date : 12/19/97

1226 HRS > KEE D. CHEE HAULS HIS CREW BACK ON SITE (MAROON P.O.V.)

1245 HRS > BACK ON SITE @ EAST OF W.P. 2, SET UP AIR SAMPLER AP. O #710 (2 scrapers-  
IN VACINITY, ALONG W/ D-9 R 788 Dozer, Op. Dean Chee, Scraper 862 > Rudy Horschendorf  
Scraper #864 > Tyrone Silver From W.P. 2 to Main Pit Vacinity.

1300 > Ben Zahne (Tech II) & Frankie Allison (TP) Con't Data Collection for Final  
Verifications of NA-174. Completed PM. air sample for W.P. <sup>\*</sup>2 w/ VOLUME  
Pulled @ ~~10~~ (2.27<sup>ED</sup>) @ 1325 hrs.

1400 HRS > @ W.P. 3 South end stretch, D-9 H495, Jerry C Begay, D-9 H692 (IDLE)  
D-9 R#788, Op. Dean Chee ALONG w/ 1 H<sub>2</sub>O TRUCK #031 2000 gal, Staka Claw.

1446 HRS > WIND PICKING UP, AGAIN FROM NORTH TO SOUTH, ALSO CLOUDS FORMING.

@ W.P. 2 (1) H<sub>2</sub>O TRUCK #9701 2000 Gal > Shirley Williams & Loretta Williams,  
4000 Gal. #143 Down Again @ Main YD w/ Driveline & U-Joint Problems.

\* 502 Motor Blade on Access roads of Scraper Routes (Op. Henry Shorthair)

Kee Chee Directing traffic @ W.P. 3 to W.P. 2 (Maroon POV Truck Utilized)

1510 > BACK @ A/C FOR UNRESTRICTED RELEASE ON UNIT 645, Ben Zahne on Site  
@ South High Wall for H.P. Monitoring.

1520 > Report for T.C. AML w/ Frankie Allison... CH



CAMERON AML RECLAMATION PROJECT No.3  
MAP No. 10: PROJECT MAP  
NA-0175 RYAN No. 2

Contour Interval: 2 Feet

Scale: 1 in. = 400 ft.

Site Area: 109.06 Acres

Total Volume of WP: 703,300 cu. yds

- RADIOLOGICAL DATA -

Background Measurement (contact): 3.64 pCi/g

Background Measurement (1 meter): 14.31 uR/hr

LEGEND:

- Control Point (rebar)
- △ Road/Jeep Trail
- Waste Pile/Stock Pile (WP)
- ▨ Pit/Rimstrip (PIT)
- ✓ Drainage/Water Body
- Site Boundary

NOTES:

NA-0175 (continued):

The volume of the individual waste piles and highway grading at this site is as follows:

- WP-1: 250 bank cubic yards
- WP-2: 69,550 bank cubic yards
- WP-3: 145,000 bank cubic yards
- WP-4: 42,500 bank cubic yards
- WP-5: 106,600 bank cubic yards
- WP-6: 41,400 bank cubic yards
- Highwall Grading: 4,000 bank cubic yards

This site will be reclaimed in "areas" from West to East to accommodate radiological and paleontological monitoring.

The location of the access control is located at the southwest corner of site NA-0172a. See Map No. 6 for location.

Drawn By: T. Robbins Date: August 9, 1995

Approved By: S. Debs M. - Date: 2/11/97

Revision(s): 10/24/96 - TR 2/5/97 - TR

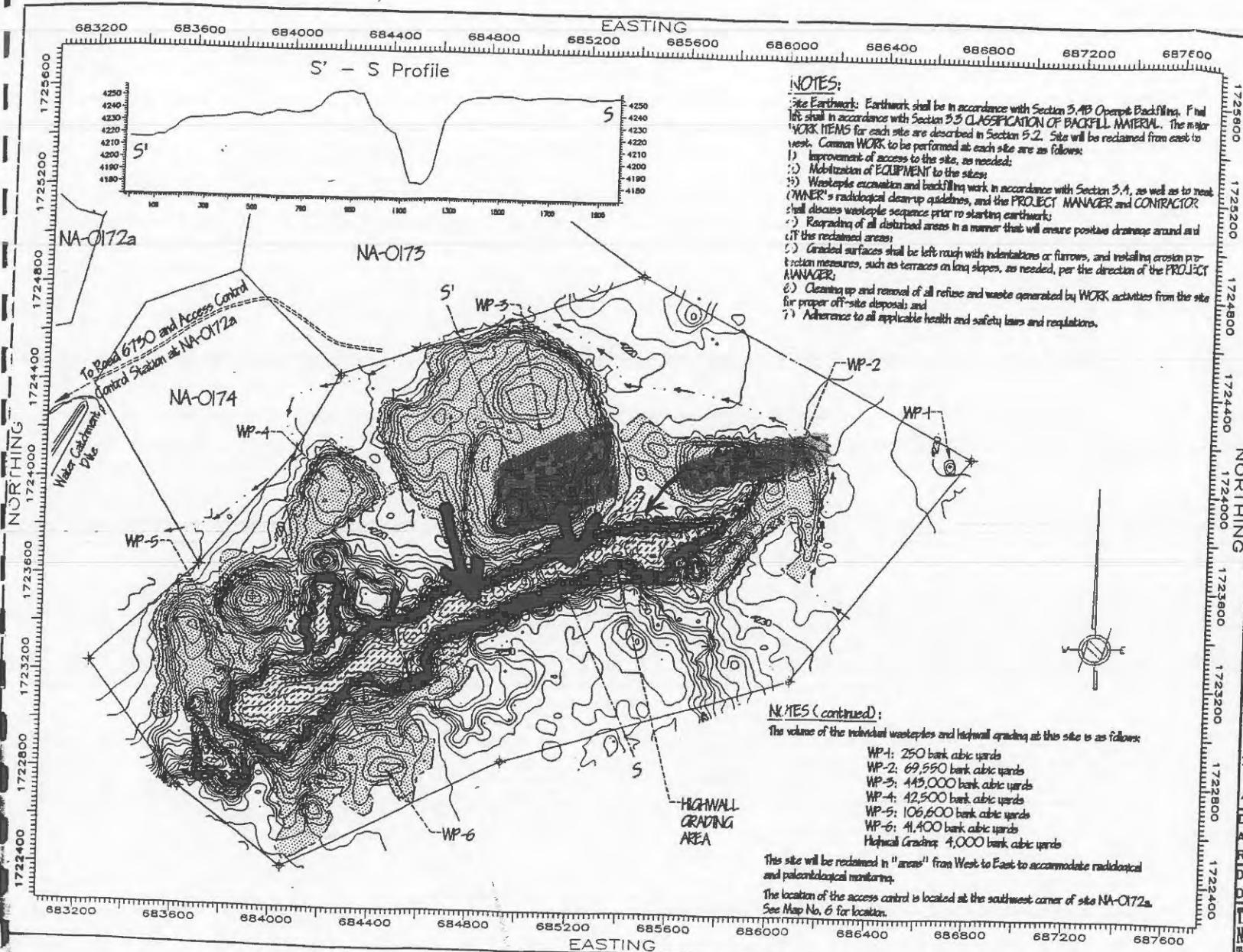
Data Collected By: Tony Whitehorse, et al.

Date(s): Feb. 27-28, Mar. 18-26, Apr. 7, 1992

THE NAVAJO NATION \* DIVISION OF NATURAL RESOURCES

NAVAJO ABANDONED MINE LANDS RECLAMATION DEPT.

Tuba City Field Office \* Tuba City, Arizona 86045



**MINE SITE VISIT REPORT**  
**NAVAJO AML RECLAMATION DEPARTMENT**

**Date(s) of visit:** December 18, 1997

**Mine/Project Name:** Cameron, Arizona

**Duration of Visit:** 8 hours

**Observation:**

I arrived at the Cameron-3 Project site at 0815. I met Guy Horsen, Frankie Allison(Trades Helpers) and Ben Zahne(Environmental Technician II) were at the access control trailer. Ben was reviewing reports while Guy and Frankie were doing QC checks on all the counting instruments. Ernest Greyeyes(Engineering Technician III) and Troy Delmar(Environmental Technician I) were on site monitoring the construction activities. When I went on site there were two scraper hauling from waste pile-3, two dozers were also pushing material from waste pile-3 into the pit. The D-8 dozer was doing the final contour work at waste pile-7. Currently there are only two water trucks on site for dust suppression. The water truck that Loretta Williams usually uses is shut down due to brake problems. At approximately 1030, the D-8 dozer started working on improving the access road into the east end of the pit from waste pile-2. Waste pile-2 is the last remaining waste pile that has the higher elevated readings. The scraper should start hauling into the pit as soon the access road is improved. Currently there is five scraper in the mechanic yard being repaired. With the current operation I estimate that the hauling of waste material should be done by the end of January, 1998. The work should be done sooner if all the scraper are in operation. I informed Ernest Greyeyes to make sure that dust suppression is being done at waste pile-2, because the material is has higher contents of radioactive mine waste.

In the afternoon I did a walk thru safety inspection around the project area. This safety inspection included the mechanic yard and the fuel storage facilities. During the inspection the following discrepancies were noted:

- 1) T-143 and T-144 water trucks still had the ignition keys in the ignition. This is not complying with the lockout/tagout procedures. A hazard is established when a person might accidentally start the equipment while it is still being worked on. Kevin Healy was told to remove the keys.
- 2) The window on Scraper # 859 does not completely close. Duct tape currently used is falling off. All equipments working with mine waste are supposed to have tight seals to prevent accumulation of dust inside the cabs.
- 3) at the entrance to the storage vans, I saw equipment batteries blocking the entrance and the batteries were stored near some propane bottles. Situation as this one could cause an explosion.
- 4) In the same area where the batteries were located there was also some gas stored in unmarked containers.
- 5) WD-40, Starting Fluids and other compressed flammable material are not stored properly. These compressed material should be stored in one area or in a fire proof locker. It appears that no one is keeping track of these items.
- 6) Inside the fuel storage tank berm there is a accumulation of garbage debris. I observed some broken bottles and soda cans inside the berm. Tseyi needed to reminded that they needed to do some house keeping.

## MINE SITE VISIT REPORT

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After the safety walk thru, I went back on site for the remainder of the afternoon to watch site activities. Site activities is similar to the activities as this morning.

### Contact(s):

AML staff: Ben Zahne, Troy Delmar, Guy Horsen, Ernest Greyeyes and Frankie Allison.  
Museum of Northern Arizona:

Larry Coats

Tseyi Corporation:

Jack Boyd, Dean Chee, Kee D. Chee, Henry Shorthair, Guy Truex, Loretta Williams,  
Terry Yazzie, Stella Claw, Jerry C. Yazzie, and Shirley Williams.

**Recommendations:** None

Submitted by:



**Title:** Health Physicist

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 12-18-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS. — 1625 HRS.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS

WEATHER > OVERCAST W/ WINDY CONDITIONS / COLD DAY

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 A.C. W/ FRANKIE ALLISON, GUY HORSEN.

OPERATORS ARRIVING & SIGNING IN @ A.C., GUY, FRANKIE ASSIGNED TO A/C.  
0749 HRS > ON SITE @ WEST END OF W.P. 3. SCRAPERS #858 > JERRY YAZZIE  
#864 > TYRONE SILVERS, #502 MOTOR BLADE > HENRY SHORTHAIR.

@ SOUTH END SITE, D-9 H #692 DOZER > GUY TRUEAX W/ #495 D-9H > JERRY C.-  
BEGAY. PUSHING W.P. 3 SOUTH INTO MAIN PIT, SCANNED AREA OF  
IMMEDIATE AREA, AVG. @ 18 UR/HR.

0955 HRS > BEGAN AM AIR SAMPLE @ NORTHWEST END OF W.P. 3 (DOWNWIND TO  
EASTERLY.) (2) SCRAPERS ALONG W/ 2000 GAL. H2O TRUCK. OP. STELLA CLAW.

COLLECT DOSE RATES @ NORTHWEST END @ 20, 22, 24, 18 (UR/HR).

1035 > COMPLETED AM SAMPLE CFM =  $2.0 \times 28.32 (56.64) \times \frac{40}{100} \times 1000 = 2.27 \text{ EC}$

1045 > DEB MISRA ARRIVES ON SITE & REQUESTS <sup>(1)</sup> SITE TOUR, UPDATED  
MR. MISRA ON RADILOGICAL SURVEYS ALONG W/ SITE TOUR.

1100 HRS > MELVIN YAZZIE ARRIVES @ ACCESS CONTROL STATION, BRIEFED BY  
ERNEST GREYEYES, ENG. TECH III.

1200 HRS > LUNCH FOR ALL PERSONNEL @ MAIN YARD.

FOLLOW UP: 1230 > KEE CHEE, FOREMAN HAULS CREW BACK ON SITE, (#195 CREW TRUCK)

1300 HRS > BACK ON SITE @ W.P. 2, SCRAPERS 858, 864, BEGIN PUSHING W.P. 2  
TO SOUTH INTO MAIN PIT. SCRAPER #862 ON SITE @ W.P. 2 (OP. RUDY HORSEHORNED)

BEGIN PM AIR SAMPLE ABOVE PIT @ EAST END OF NA-175, NEAR W.P. 2.

DOSE RATES READINGS FOR W.P. 2 IMMEDIATE VICINITY @ AVG. 48.4 (RENTEL) >

CONTACTS: ERNEST GREYEYES, BEN ZAHNE, FRANKIE ALLISON, GUY HORSEN, KEE CHEE, JACK BOYD  
GUY TRUEAX, JERRY C. BEGAY, KEVIN HEALY, MELVIN YAZZIE, DEB. MISRA.

14

NAME: T. DELMAR

TITLE: EN. Tech #01

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 12/18/97

1400 HRS. > Completed PM Air Sample for W.P. 2 CFU @  $2.0 \times 28.32 \times 40 \times 1000 =$

2.27 E6. DUST RISING & ADVISED BOTH WATER TRUCKS ON SITE.

1430 > ASSISTED BEN ZAHNE & GUY HORSEN W/ 25 X 25 GRID LAYOUT  
FOR FINAL VERIFICATIONS @ NA-174.

1500 HRS > BEN ZAHNE DEPARTS BACK TO TUBA CITY AML OFFICE, CONT SCANNING @ EAST-  
END OF THE MAIN PIT, SCRAPERS STILL @ W.P. 2 VACUITY.

1600 HRS > BACK @ A/C, FRANKIE A./ GUY H. DOING UNRESTRICTED RELEASES  
TO DEPARTING UNITS, ALONG W/ FRAISKOUTS.

1630 > Depart NA-175 for E AML. AD

CH

MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 12/17/07

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1200 HRS.

PURPOSE OF VISIT: VERIFICATIONS, RADIOMETRICS

WEATHER: CLEAR/WARM DAY.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175, ACCESS CONTROL W/ FRANKIE ALLIS.

Q.C. BEGIN BY GUY HORSEN & FRANKIE ALLISON (TRADES HELPERS).

0855 HRS > BEGIN AM AIR SAMPLE @ NORTH END OF W.P. 3 (DOWNWIND = EAST)

SCRAPER #862 > RUDY HORSEHEDDER, SCRAPER #864 > TYRONE SILVER

MOTOR BLADE #502 > HENRY SHORTTIME, 2000 GAL. #809 > STELLA CLAW

COLLECT DUST RATES @ W.P. 3 NORTH TO SOUTH SECTIONS

READINGS @ 38, 36, 40, 42, 44, 40, (LPCM/Hr)

0935 HRS > COMPLETED AM AIR SAMPLE FOR W.P. 3, CFM = 2.5.

SCRAPER #863 > OP. TERRY YAZZIE ENTER SITE (REPLACED BEARINGS)

1000 > SCRAPER #862 BACK @ MAIN EQUIPMENT YARD, LOOSE BOLTS ON REAR MOTOR MOUNT.

1150 > ASSIGNED BEN ZAHNE, TECH.II TO MONITOR @ NA-175

-DEPARTING BACK TO TUBA CITY AML OFFICE TO WORK ON REPORTS

1200 > BACK @ A/C, UNRESTRICTED RELEASE, FRISK-OUTS.

1221 > Depart NA-175, A.C. FOR T.C. AML.

FOLLOW-UP: 1300 HRS → 1700 > Back @ T.C. AML, Reports, Site visits.

CONTACTS: Ernie Grayeyes, Ben Zahne, Guy Horsen, Frankie Allison, Kee Chee, Guy I., Henry S., Loretta, Shirley Williams, Terry Yazzie, Tyrone Silver, Dean Chee, Stella Claw.

NAME: T. DELMAR

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 12-16-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700HRS - 1520HRS.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS

WEATHER > CLEAR/WARM... BREEZE EASTERLY.

OBSERVATIONS: 0700HRS > ARRIVED @ ACCESS CONTROL W/ FRANKIE ALLISON  
BEGIN Q.C. ON ALL INSTRUMENTS... STILL NEED TO GRID NA-174.  
0800 Hrs. > ON SITE @ W.P. 3 NORTHEND, & BEGIN AM AIR SAMPLE.  
@ W.P. 3, D-9R #788 DOZER > OP. DEAN CHEE, SCRAPER #864 > TYRONE SILVER  
SCRAPER #858 > OP. RUDY HORSEHERDER, MOTOR BLADE #502 > HANK SHORTHAIR  
0842 Hrs > COMPLETED Air Sample w/ CFM = 2.5  
SCRAPER #862 > OP GILBERT BENALLY SCRAPER #859 > Terry Yazzie  
0900 HRS > HALTED OPERATION @ W.P. 3, NO WATER TRUCKS @ THIS TIME.  
0940 HRS > RESUME OPERATION W/ (2) H2O TRUCKS ON SITE, 2000 Gal. H2O #  
080 > STELLA CLAW. 2000 Gal. H2O # > SHIRLEY WILLIAMS  
1000 > (4) Scrapers in Operation, MOTOR GRADER 502 @ EAST END W.P. 3  
Dozers 495/692 @ South Section of W.P. 3 to former pit.  
1200 HRS > LUNCH, ALL PERSONNEL @ MAIN EQUIPMENT YARD.  
1220 HRS > OPS. HEAD BACK TO SITE @ NA-175, W.P. 3 TO PT AREA.  
1250 HRS > BACK ON SITE @ NORTHEND OF W.P. 3, DOWNWIND EASTERLY.  
BEGIN PM AIR SAMPLE W/ APO #755 AIR SAMPLER

FOLLOW UP: SCRAPERS & OPERATORS @ NORTH END SECTION OF W.P. 3 INCLUDE  
#862 > RUDY HORSEHERDER, #863 > TERRY YAZZIE, #864 > TYRONE SILVER  
#858 > GILBERT BENALLY... @ SOUTH END STRETCH D-9 & 692 > GUY TRIWA  
D-9 & 495 > JERRY C. BEGAY. 1340 HRS > Completed PM Air Sample w/ CFM = 2.5  
1446 HRS > SCRAPER #863 DOWN, DUE TO SHIFTING PROBLEMS (3rd Gear) →  
CONTACTS: Ernest G., Guy Horse, Frankie A., Ben Zohma, Kee Chee, Henry Shorthair  
RUDY HIT, TERRY YAZZIE, GILBERT BENALLY, Loretta/Shirley Williams, Guy TRIWA

NAME: T. Delmar

Ct

TITLE: En. Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 12/16/97

1506 > BACK @ A/C, UNRESTRICTED RELEASE IN UNIT 391345.

1520 > Report NA-175 A/C FOR TCMR w/ Frankie Allison.

CR

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MON. 12-15-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1530 HRS.

PURPOSE OF VISIT: HP. MONITOR, RADIOMETRICS, VERIFICATIONS

WEATHER > CLEAR, SLIGHT SHIFTING BREEZE. EAST.

OBSERVATIONS: 0700 HRS > ARRIVED @ A/C, NA-175 W/ FRANKIE ALLISON &  
GUY HORSEMAN, BOTH BEGIN QC. ON ALL INSTRUMENTS.

0720 > TSEYI OPERATORS SIGNING IN @ A.C., BEFORE DEPARTING FOR SITE.

PALEO PERSONNEL TODAY IS CAROLYN ORELL

NEW EMPLOYEE FOR TSEYI, TYRONE SILVER (NO TLD AVAILABLE)

0800 HRS > ON SITE @ NORTH SECTION OF W.P. 3, SCANNED AREA W/ MODEL-  
# 19, DOSE RATES ALSO @ 46, 48, 50, 52 (UREMY/Hr)

# 502 MOTOR BLADE, HENRY SHORTHAIRES, SCRAPER # 859 > TERRY YAZIE

D-9H # 495 > RUDY HORSEHERDER @ W.P. 3 TO FORMER PIT AREA.  
@ W.P. 3 SOUTH END, D-9H 692, OP JERRY C. BEGAY.

0900 HRS > SCRAPER # 864 ENTERS SITE @ W.P. 3 NORTH (Op. TYRONE SILVER)

D-9H # 788 > GUY TRUEAX @ SOUTH END, FORMER PIT AREA.

0941 HRS > COMPLETED DOSE RATE COLLECTIONS FOR W.P. 3 → PIT AREA.

(22, 24, 26, 32, 36 (UREMY/Hr)) RUDY H. SWITCHES TO SCRAPER 863.

1100 HRS > AM-AIR SAMPLE @ NORTH END OF W.P. 3, SCRAPER # 858 > GILBERT BENALLY.

(1) SCRAPERS (1) BLADE (2) DOZERS IN OPERATION TODAY. DOZER 495 (Pile)

FOLLOW-UP: 1140 HRS > COMPLETED AM AIR SAMPLE W/ CFM = 2.5. V.P. =

1200 HRS > Ops. BACK @ A.C., 30 MIN. LUNCH, ALL PERSONNEL.

1227 > Ops. DEPART BACK TO SITE.

1300 > BACK ON SITE @ SOUTH HIGHWALL, OBSERVATIONS & REPORTS.

1415 > (1) SCRAPERS STILL IN OPERATION FROM W.P. 3 WEST TO FORMER PIT →

CONTACTS: ERNIE G., BEN. Z., GUY H., FRANKIE A., KEECHEE, DEAN CHEE, HENRY S.,  
KEVIN HEALY, JACK BOYD, GUY TRUEAX, LORETTA WILLIAMS, STELLA CLAW, CAROLYN  
ORELL, SHIRLEY WILLIAMS.

NAME: Troy Delmar

TITLE: En. Tech I

MINE SITE VISIT REPORT  
Nava AML Reclamation Department

Page : 2 of 2  
Date : 12/15/97

1430 Hrs > W.P. 3 (2) Dozers D-9788, Guy TRUEAX, D-9H692 > Jerry - C. BEGAY (Dose rates @ 28, 32, 38, 42, 40, (Grey Air)

1500 Hrs > BACK @ A/C For unrestricted release to UNIT 391345.

1520 > REPORT A/C For T.C. w/ FRANKIE ALLISON

- BEN ZAHNE Tech. II > ON SITE @ South Highway Wall

- Ernest Corengavers > @ East end of NA-175, near W.P. #01

- Guy Horsen @ ACCESS CONTROL.

CR

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: Fri. 12/11/97

MINE/PROJECT NAME: CP.3, NA-175

DURATION OF VISIT: 0700 HRS - 1530 HRS

PURPOSE OF VISIT: RADIOMETRICS, VERIFICATIONS, HP MONITORING

Brick from Laughlin, NV. yesterday 12/10/97

WEATHER > Partly cloudy slight breeze eastward.

OBSERVATIONS: 0700 HRS > Arrived @ A/C of NA #175 w/ FRANKIE ALLISON & GUY HORSERSON (BEGIN QC ON ALL RAD. INSTRUMENTS)

0730 HRS > Operators on site @ W.P. #3 NORTHEND

TOP SECTION OF W.P. 3 > Scrapers #863, op. TERRY YAZZIE, #862 > RUDY-HORSEHERDER, #864 > GUY TRUEAX, D-9 R #788 Doser > op. KEVIN CHEE. D-9 H-692 Doser Down @ WEST END W.P. 3, KEVIN HEALY IN AREA.

1030 HRS > Begin AM Air Sample @ SOUTH END OF W.P. 3

SCANNED AREA w/ MODEL 19 inst. Readings @ 32, 34, 38 (UV/m³/hr)

1100 HRS > Completed scanning @ W.P. 4 (former) @ 18, 16, 20, 22 (UV/m³/hr)

1110 HRS > Completed AM Air Sample (w/ CFM = 2.0)

1200 HRS > LUNCH @ MAIN YARDS, ALL PERSONNEL.

1220 HRS > Operators head back to site @ NA-175, W.P. 3.

1330 > BEN ZAHNE DOING PM Air Sample on EAST end of W.P. 3.

- MATED OFF SOME ELEVATED SPOTS @ FORMER W.P. 4 w/ BEN

1520 HRS > Break @ A/C for Friskout / Unrestricted Releaves,

1530 HRS > Report A/C for T.C. AML w/ FRANKIE ALLISON.

FOLLOW-UP:

CONTACTS: Ben Zahne, Guy Horsen, Frankie Allison, Kee Chee, Guy TRUEAX, Shirley/Loretta Williams, Henry Shortman, Jerry C Begay, Rudy Horseherder, Terry Yazzie & Ben Chee.

NAME: T. Dehner

CX

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: Fri. 12/05/97

MINE/PROJECT NAME: CP. 3, NA-175

DURATION OF VISIT: 0700 HRS. - 1520 HRS.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIO METRICS

WEATHER: CLEAR / SLIGHT BREEZE

OBSERVATIONS: 0700 HRS - ARRIVED @ AIC w/ FRANKIE A. & GUY HORSER (LEADERSHIP)

0712 HRS > PALEO'S ARRIVE @ AIC - CARMELYN ORELL & NELLIE LAVIN.

(3) SCRAPERS @ W.P. 4 RESIDUALS, FINAL STAGES OF 4.

(2) DOZERS @ W.P. 3 SOUTH END, D-9H #495, op. GUY TRUEAX, D-9R788 > op. DEAN CHEE.  
@ W.P. 4, D-9H #692 > op. JERRY C. BEASY.. SCRAPERS #858 > op. RUDY HORSE-  
HERDER, #859 > TERRY YAZZIE, #860 > GILBERT BENALLY.

0900 HRS. > AM AIR SAMPLE & DOSE RATES @ W.P. 4, NORTH DOWNWIND -  
ERNIE, NELLIE, CAROL @ NORTHEAD OF W.P. 4. w/ KEE CHEE.

42, 46, 48, 52, 56, 58, 60, 62 (URENTH) →

1000 > 2nd AM AIR SAMPLE FOR W.P. 03 & DOSE RATES @ 32, 34, 36, (40 URENTH)

1040 > Completed 2nd AM. AIR SAMPLE FOR W.P. 3. (CPM=2.0)

- CON'T 25' X 25' GRID-LAYOUT FOR NA-174 FOR FINAL VERIFICATIONS.

1200 > LUNCH, ALL PERSONNEL.

1220 > OPERATORS DEPART BACK TO SITE

- DOZERS CON'T @ W.P. 3 EAST TO FORMER PIT VACINITY

#692 > Jerry C. Beasy #495 > Guy Trueax D-9R788 > Dean Chee

FOLLOW-UP: W.P. #04; SCRAPERS 858 > Rudy Horseherder 859 > Terry Yazzie  
#860 > Gilbert Benally

1400 > PM AIR SAMPLE @ W.P. 4 / WP-3 MID-SECTION,

1440 > COMPLETED PM AIR SAMPLE, CPM=2.0 VP=2.26 EK

1500 > BACK @ AIC FOR RELEASES, FRISBIES. 1520 HRS > DEPART 175 AC FOR AML.

CONTACTS: BEN ZATNE, KEE CHEE, FRANKIE ALLISON, GUY HORSER

Kee Chee, Dean Chee, Jack Boyd, Henry Shorthair, Guy Trueax.

Wayne Youella, Kevin Healy.

NAME: T. Delmar

TITLE: Env. Tech #1

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 12-04-97

MINE/PROJECT NAME: CP. 3, NA-175

DURATION OF VISIT: 0700 HRS → 1520 HRS

PURPOSE OF VISIT: HP. MONITORING, VERIFICATIONS, RADIOMETRICS

WEATHER &gt; CLEAR, NIPPLE...

OBSERVATIONS: 0700 HRS. &gt; ARRIVED @ CP. 3, NA-175 AC. W/ FRANKIE ALLISON / GUY-HORSEN (TRADES HELPERS) BEGIN Q.C. ON RAD. INSTRUMENTS.

0725 HRS. &gt; OPERATORS DEPART FOR SITE W/ FOREMAN KEE CHEE.

0734 HRS. > @ W.P. 3 D-9 H#495 Dozer, Jerry C. BEAM, D-9 H#~~495~~ 092 > op. GUY TRUEAX.  
@ W.P. 4, D-9R #788 Dozer Op. DEAN CHEE, SCRAPER #859 > op. TERRY YAZZIE.

0920 HRS. &gt; SCRAPER #858, OP. RUDY HORSEHERDER ENTER SITE @ W.P. 3.

4000 Gal. #143 H<sub>2</sub>O TRUCK (OP. LORETTA WILLIAMS) TRUCK DOWN @ ACCESS ROADAM AIR SAMPLE @ WEST END OF W.P. 3 @ 40 MINUTES. PELEO'S PERSONNEL  
IN AREA... LARRY COATS & RANDY REED.1030 HRS > COMPLETED AIR SAMPLE, (CFM = 2.5) COLLECT DOSE RATES IN  
& AROUND W.P. 3, W/ READINGS @ 30, 32, 28, 26, 20, 22 (UREMY HR)

1100 HRS &gt; @ SOUTH HIGHWALL OF NA-175 PER OBSERVATIONS 1200 HRS. &gt; LUNCH.

1220 &gt; OPS. DEPART BACK ON SITE.

1245 > P.M. AIR SAMPLE @ WEST END OF W.P. 4.. (2) SCRAPERS W/ 143 H<sub>2</sub>O TRUCK  
#859 > OP TERRY YAZZIE #858 > OP. RUDY HORSEHERPER -1518 HRS > @ RIVER BANK, 2000 Gal. H<sub>2</sub>O TRUCK (STELLA C.) FILLED UP @ 6 MINUTES.FOLLOW-UP: <sup>H</sup> 143 4000 Gal. H<sub>2</sub>O TRUCK LEADS AFTER STELLA CLOW (OP. LORETTA WILLIAMS)

1600 HRS &gt; BACK @ A.C. ASSIST W/ UNRESTRICTED RELEASES, FRISKOUTS, ETC.

1620 &gt; Depart A/C, NA-175 for ERNIE W/ FRANKIE ALLISON.

CONTACTS: Ernie Creepyes, Ben Zehne, Guy Horson, Frankie Allison, Kee Chee, Dean C.,  
Jack Boyd, Henry Shorthair, Guy Trueax, Loretta Shirley Williams.

NAME: T. Delmar CX

TITLE: En. Tech #1.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 12-03-99

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1520 HRS

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS

WEATHER: PART CLOUDY

OBSERVATIONS: 0700 HRS > ARRIVED @ A.C. w/ FRANKIE ALLISON, TRADES HELP.  
0716 HRS > OPERATORS SIGNING-IN @ A.C. BEFORE DEPARTING FOR SITE. (WP. #3/4)  
0750 > ON SITE @ SOUTH HIGHWALL. @ W.P. 03 (2) DOZERS D-9H 692 > GUY HORSEN  
D-9H 495 > OP. JERRY C. BEGAY, @ W.P. 04, (2) SCRAPERS # 859 > OP. TERRY Y.  
# 858 > OP. RUDY HORSETHUNDER, D-9 # 788 > DEAN CHEE  
0840 HRS > D-9 # 788 BACK @ W.P. 4 w/ 2000 GAL. H2O TRUCK > OP. STELLA CLAW.  
0853 > BACK @ A.C. TO PICK-UP FRANKIE ALLISON TO ASSIST @ GRIDDING NA-174.  
- CARL HOLIDAY H.P. @ ACCESS CONTROL  
0905 HRS. > AM AIR SAMPLE @ W.P. 3, CONT GRID LAYOUT w/ FRANKIE @ 174.  
0945 > COMPLETED AIR SAMPLE @ WEST W.P. 3 (CFM = 2.5)  
1000 > 2ND AIR SAMPLE FOR W.P. 4 NORTHEND, D-9H 692 w/ SCRAPERS 859.  
1025 HRS. > MELVIN YAZZIE ARRIVES @ YARD, CONT GRID LAYOUT @ NA-174.  
1040 > COMPLETED 2ND AM SAMPLE FOR W.P. 4 w/ CFM = 2.5,  
CARL HOLIDAY H.P. & BEN ZAHNE ON SITE @ WEST END OF W.P. 3.  
1200 HRS. > LUNCH, ALL PERSONNEL @ MAIN EQUIPMENT YARD.  
1300 HRS. > ON SITE @ W.P. 3, SCANNED VICINITY w/ MODEL 19 # 705, READINGS @  
~~1400 HRS.:~~ 30, 32, 36, 38 (UREMYHC) EQUIPMENTS @ W.P. 3 D-9 # 692 > GUY HORSEN  
D-9H 495 > OP. JERRY C. BEGAY, 2000 GAL. H2O TRUCK # 031 > STELLA CLAW.  
1315 > PM AIR SAMPLE @ W.P. 3 EAST, ABOVE FORMER PIT AREA.  
1400 HRS. > (2) SCRAPERS DOWN @ W.P. 3 WEST, # 859 OP. TERRY YAZZIE (PUSH BLOCK)  
SCRAPER # 858, OP. RUDY HORSETHUNDER, BROKEN FRONT RIGHT SEAL. OVER →  
CONTACTS: ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN, FRANKIE ALLISON, KEE CHEE  
DEAN CHEE, LORRETA WILLIAMS, SHIRLEY WILLIAMS, STELLA CLAW, HENRY SHORTHAIR  
TERRY YAZZIE, RUDY HORSETHUNDER, JERRY C. BEGAY, KEVIN HEALY.

NAME: T. Delmar

TITLE: En. Tech - I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : \_\_\_\_\_

1506 HRS.) BACK @ A/C, BEN ZAHNE ENTERS SITE TO MONITOR.

-UNRESTRICTED RELEASE ON UNIT 391345-

1519) Report NA-175 w/ Frannie Allison.

CK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE, 12-02-97

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 HRS - 1530 HRS

PURPOSE OF VISIT: HP MONITOR, VERIFICATION, RADIONUCLIDES

WEATHER → CLEAR / SLIGHT BREEZE EASTERLY.

OBSERVATIONS: 0700 HRS > ARRIVED @ A/C, NA-175 w/ TRADES HELPERS FRANKIE ALLISON, GUY HORSEN... BOTH DOING QC. ON RAD. INSTRUMENTS.

0725 > OPERATORS SIGNING IN & DEPARTING FOR SITE.

- KEE CHEE, FOREMAN UTILIZING PERSONAL VEHICLE (2500 GALLON TRUCK.)

0730 > ON SITE @ SOUTH HIGHWALL OF NA-175

- MACHINERY @ W.P. 3.. D-9H #692 DOZER, OP. JERRY C. BEGAY.

D-9H #495, OP. GUY TRUEAX. #080 2000 GALLON H2O TRUCK, OP. STELLA CLAW.

0740 > @ W.P. #04, D-9R #788, OP. DEAN CHEE ALONG w/ SCRAPER #859 & OP. TERRY YAZIE.

0830 HRS > BEGIN SCANNING RESIDUALS @ W.P. #04. (w/ MODEL #19)

DOSE RATES @ 22, 24, 36, 38, 42 (REM/Hr) D-9R788 IN AREA.

4000 GALLON H2O TRUCK #143, BACK ON SITE @ WEST W.P. 4, OP. LORETTA WILLIAMS.

0930 > AM AIR SAMPLE @ EAST END OF W.P. #03 (2 DOZERS #692/495 IN AREA)

SHIFTING BREEZE TODAY, DOSE RATES READINGS @ W.P. 3, 22, 18, 16, 20 (REM/Hr)

1010 HRS > COMPLETED AM SAMPLE FOR W.P. 3 (CFM = 2.0 x 28.32 (56.64) x 40 x 1000 (2.27E6))

1015 HRS > BEGIN AM AIR SAMPLE NO. #02 @ W.P. 4, SCRAPER #859 & D-9 788.

- CONT' GRIDDING @ NA-174 FOR FINAL VERIFICATIONS.

FOLLOW UP: 1055 HRS > COMPLETED 2nd AIR SAMPLE (CFM = 2.0 V.P. 2.27E6)

1100 HRS > CONTINUED GRID-LAYOUT @ 174. 1130 HRS > Report A/C FOR CAMERON  
TO REFUEL UNIT 391345.

1250 HRS BACK ON SITE @ EAST END OF W.P. 4.. D-9R #788 & SCRAPER #859 -  
OP. TERRY YAZIE. (OVER →)

CONTACTS: ERNIE GREYBYES, BEN ZAHNE, FRANKIE ALLISON, GUY HORSEN, KEE CHEE, GUY TRUEAX  
HENRY SHULTHAIR, DEAN CHEE, JERRY C. BEGAY, RUDY HORSEHERDER, LORETTA / SHIRLEY WILLIAMS.

NAME: T. Delmar Ct

TITLE: En. Tech. #01

NINE SITE VISIT REPORT  
Naval AML Reclamation Department

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Date : 12/02/97

1315 HRS. > P.M. AIR SAMPLE @ W.P. 4, CONT GRID-LAYOUT @ NA-174.

1440 HRS > SCRAPER # 858 ENTER SITE TO W.P. 4, OP. RUDY HERSEHERDER

1355 HRS. > Completed PM. AIR SAMPLE & CON'T GRIDDING @ NA-174.

1430 HRS. > @ W.P. #03 EAST SECTION (3) DOZERS PUSHING W.P. 3.

D-9 R#788 > OP. PEANCHEE, D-9 H#692 > OP. JERRY C. BEGAY, D-9 H#495 > OP. GUY TAOSA.

KEE CHEE @ Northward of W.P. 3 OBSERVING.

1507 > BACK @ A/C FOR FINSKOUTS, UNRESTRICTED RELEASES.

1526 > Report site for T/C w/ FRANCIE ALLISON.

(W)

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MON. DEC. 01, 1997  
MINE/PROJECT NAME: CP-3, NA-175  
DURATION OF VISIT: 0700 HRS. - 1530 HRS.  
PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS

WEATHER > CLEAR/WARM w/Northeasterly Breeze

OBSERVATIONS: 0700 HRS > ARRIVED ON SITE w/ FRANKIE ALLISON, GUY HORSEN, BEGIN OC ON ALL INSTRUMENTS @ ACCESS CONTROL TRAILER. 0720 HRS > OPERATORS BEGIN DEPARTING FOR SITE. (ALL OPS. REQUIRED TO SIGN-IN @ A.C. EACH DAY.)

PALEO PERSONNEL MONITORING TODAY.. NELLIE LAVIN

@ W.P. 4, SCRAPER # 860 > OP. TERRY YAZZIE, # 859 > RUDY HORSEHERDER  
DOWN SCRAPERS TODAY ARE: # 862, 868, 863, 864 ALONG w/ WATER TRUCKS  
# T-144 & 2000 Gal. # 1-43.

0740 HRS > ON ACCESS/HAUL ROADS 2000 Gal. # 9701 > OP. SHIRLEY WILLIAMS  
2000 Gal. # 031 > OP. STELLA CLAW... @ W.P. 3 SOUTH END NEAR MAIN PIT. →  
D-9H # 495 > OP. GUY TWEAK ALONG w/ D-9 H 692 DOZER, OP. JERRY C BEGAY  
@ W.P. # 04 ON THE NORTHWEST END TO MAIN PT, D-9 R # 788 > OP. DEAN CHEE.  
0815 HRS. > BEN ZAHNE, TECH-II ENTERING SITE FROM NORTHWEST ENTRANCE.

JACK BOYD CONVERSING w/ ERNIE GREVEYES @ NORTH END SECTION OF NA-175

0900 HRS > BEN ZAHNE DOING AIR SAMPLE @ North end of W.P. 4.

2 SCRAPERS IN AREA # 860 > Terry Yazzie, D9 R 788 > OP. RUDY HORSEHERDER.

FOLLOW UP: 10:00 HRS. > BEGIN RE-GRIDS (25'x25') FOR NA-174 FOR FINAL VERIFICATIONS.  
1200 HRS > LUNCH, ALL PERSONNEL. 1230 HRS > Operators depart back to site.  
1230 → 1500 Hrs > @ ACCESS Control... ASSIST GUY HORSEN w/ A.C.R's ON ESP-115.  
1510 > BACK ON SITE @ SOUTH HIGHWALL... @ FORMER W.P. 5 # 859 SCRAPER.  
@ W.P. 4, D-9 H 788. 495/692 DOZERS @ W.P. 3 SOUTH, NORTH EDGE PT. →

CONTACTS: ERNIE GREVEYES, BEN ZAHNE, GUY HORSEN, FRANKIE ALLISON, KEE CHEE, HENRY SHORT-HAIR, LORETTA/SHIRLEY WILLIAMS, GUY TWEAK, KEVIN HEALEY.

NAME: T. Delmar CK

TITLE: En. Tech.-I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : \_\_\_\_\_

1600 HRS > Brief @ A/C w/ ALL Operators & AML Personnel

Friskouts, releases...

1620 - Report A/C for F AML.

CH

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 11-26-97 (7)

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1520 HRS.

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONS, etc.

Weather &gt; CLEAR, WARM w/SLIGHT Breeze (N)

OBSERVATIONS: 1000 HRS. &gt; ARRIVED ON SITE @ W.P. 04 WEST END.

SCRAPERS PUSHING W.P. 4 TO PIT VACINITY THIS MORNING, #860 &gt; Terry Yazzie

#859 &gt; Op. GILBERT BENALLY, 2000 Gal. H2O TRUCK &gt; Op. SHIRLEY WILLIAMS w/ Loretta W.

D-9 H 495 TOP HENRY SHORTHAIR IN PIT AREA, D-9 H 692 POZER, D-9 R 788 &gt; Op Guy TWEAK

& Jerry C. BEGAY, 2000 Gal. H2O #031 > Op. STELLA CLAW ALL @ W.P. 3 <sup>SOUTH</sup> <sub>WEST</sub>

1140 HRS &gt; SCRAPER #860 Down w/ HYDRAULIC LEAKAGE...

1145 HRS &gt; AM AIR SAMPLE @ W.P. 4 EAST END. D-9 495 &amp; Scraper 859 in AREA.

1225 HRS &gt; COMPLETED AM SAMPLE FOR W.P. 4 (EFM = 2.0) DOWNWIND EASTERLY.

1300 HRS &gt; DOSE RATES COLLECTIONS FOR W.P. 3, 4 w/ leadings @ 30, 32, 40, 42 (uRem/hr)

1346 &gt; BACK @ A/C, TSAYI PERSONNEL HAS EARLY DISMISSAL (per Kee Chee)

1400 HRS &gt; Report NA-175 A/C for Tuba City, AML.

11-27 → 11-28-97 &gt; HOLIDAY OBSERVED... THANKSGIVING

FOLLOW-UP:

CONTACTS: Ernest Greeyes, Ben Zehne, Guy Horsen, Frankie Allison, Henry Shorthair, Kee Chee, Dean Chee, Loretta Shirley Williams, Guy Tweak, Jerry C. Begay, Rudy Horseholder

NAME: T. Rehman

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 11/25/07

MINE/PROJECT NAME: Cp. 3, NA-175

DURATION OF VISIT: 0700 HRS - 1516 HRS

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONS.

CLEAR/SLIGHT BREEZE EAST.

OBSERVATIONS: 0700 HRS > @ NA-175 A.C. w/ FRANKIE ALLISON (TRADES HELP)

# GUY HORSEN (TA) - BEGIN ROUTINE Q.C. ON ALL INSTRUMENTS.

- MECHANIC FROM SHOWLOW, AZ. ARRIVES @ YARD, TO WORK ON DOWN

- SCRAPERS. WILL NAPIER -

0730 HRS > EQUIPMENTS DOWN TODAY:

- SCRAPER #863 > REAR TRANSMISSION # 862 > ENGINE (REPLACED w/ REBUILT)

- SCRAPER # 864 > CAM SHAFT # 858 > ENGINE MOTOR MOUNT

- 2000 Gal. H2O TRUCK #T-144 > BROKEN SPRINGS UPON ARRIVAL

- MOTOR GRADER # E02 > RADIATOR.

0740 > ON SITE @ W.P. 3 WEST END, SCRAPERS @ WEST END OF W.P. #03

#860 > Op. TERRY YAZZIE, #859 > op. GILBERT BENALLEY -

0800 > PALEO PERSONNEL TODAY NELLIE LAVIN/BLAINE both @ Northwest.

- D-9 R 788 / D-9R-692 on top section of W.P. 3, Dose rates @ 100, 160, 180

- 80, 60 (urem/hr) H2O 2000 Gal. TRUCK @ W.P. 3 Op. Shirley Williams

1000 > Completed Verifications @ W.P. #03, MARKED OFF ELEVATED MATERIAL

w/ LATHES (AVG.= 47 pCi/cm) D9R 692 problems w/ LEAKY ANTI-FREEZE

FOLLOW-UP: # G-110 Service Truck on Site, Mech. Kevin Healey... Inspecting D-9 692.

1018 > Another Equipment Down, 4000 Gal. H2O truck being escorted off site to Main-Equipment Yard (Op. Lovetta Williams) Motor Grader #502 70p Henry Shorthair Assisting H2O Truck.

1030 > D-9 H 495 @ W.P. 3 Southeast > Op. Guy Trueax...

CONTACTS: ERNEST GREYEVES, CARL HOLIDAY, Ben Zehne, Guy Horsen, Frankie Allison, Kee Chee, Guy Trueax, Henry Shorthair, Lovetta Williams, Shirley Williams, Skilla Chaco, Perry Charley, Melvin Yazzie, Deb Misra, Kevin Healey, Nellie Lavin, Blaine STUBERT. (PALEO'S)

NAME: T. Rehm

TITLE: En Tech I

MINE SITE VISIT REPORT  
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Date : 11/25/07

1020 HRS > EQUIPMENT "CASUALTIES OF WEAR & TEAR" @ MAIN EQUIPMENT YD.

Scrapers #863 > REAR TRAMMY , #862 > REUILT ENGINE (BEING REPLACED)

Scraper #864 > Replacing Engine Cam SHAFT. # 858 > Front - Engine Motor Mount

Cover Broken. T-144 > H2O TRUCK W/BROKEN SPRINGS

#502 Motor Blade # 502 > Radiator.

1040 Hrs > H2O TRUCK #143 (BROKEN DRIVE SHAFT) U-joints.

1045 > Perry Charley & Melvin Yazzie enter Site from West end. w/ Deb Misra.

W.P. 3 WEST STRETCH @ 4.39E4, 3.68E4, 2.94E4, 4.30E4, 2.09E4

DUST RISING & HAUTE D-9 H 692, ADVISED TO WAIT FOR WATER TRUCKS.

1130 HRS. > ABOUT 90% OF ELEVATED MATERIAL @ WEST END OF W.P.3 COMPLETED.

1158 > EQUIPMENTS BEGIN HEADED TO MAIN EQUIPMENT YD.

1200 HRS. > LUNCH - ALL PERSONNEL, CARL HOLIDAY H.P. SFC, ENG'S MELVIN YAZZIE &  
DEB MISRA ON SITE TODAY.

1250 HRS (EVALUATION w/ Perry Charley, Carl Holiday)

1320 > Back on Site @ South W.P. #3, D-9R #788 DOZER > Op. HENRY SHORTHAIR.

D-9 H #692 > Op. Jerry C. BEARY, D-9 H #95 > GUY TRUEAX.

2000 GAL #9701 WATER TRUCKS > Op. Shirley WILLIAMS.

1330 > Scrapers 859/860 BEGIN PUSHING W.P. 4 to Pit Mid-Section.

1400 > P.M. AIR SAMPLE @ South W.P. 3, North end of Pit. (3) Dozers.

1440 HRS > Completed P.M. Sample with CFM = 2.0

1500 > Back @ Access Control > Unrestricted release to Unit 381345

1520 HRS. > Report A.C. for E w/ Prankly Allison (Trades Help)

(JKA)

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 11-24-97MINE/PROJECT NAME: Cp. 3, NA-175DURATION OF VISIT: 0715 HRS - 1520 HRSPURPOSE OF VISIT: HP MONITORING, VERIFICATION, RADIOMETRICSCLEAR - SLIGHT BREEZE EASTERLY

OBSERVATIONS: 0715 HRS > ARRIVED @ NA-175 ACCESS CONTROL w/ FRANKIE ALLISON & GUY HORSEN (TRADES HELPERS) - BEGIN QC. ON ALL RAD. INSTRUMENTS.

0729 HRS > ON SITE @ W.P. 5 NORTHEND SECTION. DOZERS ENTER SITE

- D-9 H #495 OPERATORS GUY TRUEAX, D-9H 692 Op. JERRY C. BEGAY.

- D-9 R #788 Op. > HENRY SHORTHAIR - SCRAPER #860 > TERRY YAZZIE

- SCRAPER #859 > Op. GILBERT BENALLY - NO WATER TRUCKS, YET.

0801 HRS > BEN ZAHNE ARRIVES @ ACCESS CONTROL IN FLAT BED.

0811 HRS > ADVISED KEE CHEE, TSEVI FOREMAN - TO ESTABLISH ACCESS ROADS

- FOR H2O TRUCKS @ W.P. 3 NEAR DOZERS FOR DUST CONTROL, etc.

0920 HRS > BEGIN AM SAMPLE.. APPROX. 50' EAST OF W.P. 3

- BEGIN COLLECTING DOSE RATES IN THE SAME VACINITY.

- DOSE RATES RANGES @ 22, 30, 40, 44, 38, 40 (URAMS/HR)

1000 HRS > COMPLETED AM SAMPLE w/ VOL. PULLED 1.39 E6, FLOW RATE = 3.9.62

- HAVING PROBLEMS w/ AIR SAMPLER FILTERS... (WRONG SIZE)

- 3 H2O TRUCKS @ W.P. 3.

1050 > SCRAPER 860 > TERRY YAZZIE #859 > GILBERT BENALLY BOTH MOVE

FOLLOW UP: TO W.P. 4 & BEGIN PUSHING W.P. #04. ELEVATED @ 42 (PCV/GM)

1200 HRS > LUNCH @ MAIN EQUIPMENT YARD - ALL PERSONNEL.

1226 > OPERATORS / PERSONNEL HEAD BACK TO SITE, W.P. 3, 4, 5.

1300 > BACK ON SITE @ SOUTH HIGHWALL FOR OBSERVATIONS, ACROSS

- W.P. 3, ALL 3 DOZERS CON'T @ W.P. 3, SCRAPPERS 859 & 860 @ W.P. 4

CONTACTS: Guy Trueax, Jerry C Begay, Dean Chee, Kee Chee, Ernest Eyeseyes

Ben Zahne, Guy Horsey, Frankie Allison, Henry Shorthair, Loretta/Shirley Williams, Stella Draw, Kevin Healey, Wayne Youvella

NAME: T. Delmar

CK

TITLE: Gen Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1430 HRS > VERIFICATIONS & DOSE RATES DATA @ W.P. 4 (2 Scrapers)

- READINGS @ 30, 40, 60, 42, 58, 60, 62 (U REN/Hr).

1500 > BACK @ A/C For Unrestricted release on Unit 391395

- Friskout, etc.

1514 > Report A/C For T/C w/ FRANKIE ALLISON.

(1A)

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 11-21-97

MINE/PROJECT NAME: Cp. 3 NA-175

DURATION OF VISIT: 0700 HRS - 1420 HRS

PURPOSE OF VISIT: HP MONITOR, VERIFICATIONS, RADIO METRICS

Clear / Breezy Easterly

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-175 A.C. w/ Guy Horsen, TRADES Help.

- BEGIN CPC ON ALL RAD. INSTRUMENTS... (A-OK)

0720 > Operators depart for Site @ W.P. 05 MID-Section.

0747 > ON SITE @ South Highwall w/ Ben Zahne (Tech II.) & Ernest Greneyes - (Eng. Tech III)

- @ W.P. #3 - D-9 H 495 Dozer (Op. Rudy Horseherder) @ W.P. 6 D-9 H #692 (Jerry C Berry)

- W.P. 5 Northwest End, D-9 R 788 > Op. Guy Trueax.

0800 HRS > @ W.P. 5 Only one Scraper this AM - #859 79p Gilbert Bevalley.

- #9701 2000 Gal. Water Truck > Op. Stella Claw 2000 Gal. Gas > Shirley Williams.

0800 HRS > Mechanics Kevin Healey enter Site @ West end of Site 175-

- begin working on Down Scraper # 864

1000 > Scraper #860 enter site @ W.P. 5 (Op. Rudy Horseherder)

1100 HRS > Began Scannings @ W.P. 3 & W.P. 4 for Paleo's Larry Coats

- Nellie Lavin. Yellowish streaks elongated 4.89E4, 3.84E4, 4.10E4

1200 > LUNCH @ Main Equipment Yard for all personnel.

1226 > Operators returning to site. (briefed Kee Chee foreman on Elevated Areas)

FOLLOW UP: 1300 > @ South Highwall for Observations.

- @ South highwall W.P. 6 vicinity.. - D-9 H 692 > Jerry C Berry.

- W.P. 5 Area > D-9 H 495 > Rudy Horseherder pushing scraper #859 79p Bevalley

- EAST end of W.P. 5; D-9 R 788 > Dean Chee. Ben Zahne collecting Dozer rates

1400 > ADVISED Ben Z. to Monitor Activity up to Start down. (Guy) >

CONTACTS: Ernest Greneyes, Ben Zahne, Guy Horsen, Kee Chee, Dean Chee, Henry Short-hair, Gilbert Bevalley, Shirley Williams, Stella Claw, Guy Trueax.

NAME: T. Palmer Cr

TITLE: En. Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 11/21/97

1410 hrs > Back e A.c. (Swipes, Unrestricted Release & Finskovit.)

1424 > Depart NA-175 for E AML.

CR

\* Main Area's of Concentration . . . W.P. 5, W.P. 6, W.P. 3

CK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURSDAY 1/20/07

MINE/PROJECT NAME: CP.3 NA-175

DURATION OF VISIT: 0720 HRS - 1630 HRS

PURPOSE OF VISIT: H.P. Monitor, Verifications, Radio Metrics

Clear/Warm

OBSERVATIONS: 0720 HRS > Arrived @ A/C w/ Frankie Allison (Tradeskelp)  
- Begin QC on All H.P. Instruments.

0745 > ON Site @ South HIGHWALL OF NA-175. PALEO's on site

- Larry Coats & Randy Reid. Scrappers @ W.P.5 #858 > G. Benally  
#860 > Terry Yazzie. Motor Grader #E02 > Henry Shorthair.

0800 > Operator Gilbert Benally advises Motor Mount Making Noise on  
scraper 858 & Departs back to Main yard.

1000 > Back @ A/C, 2000 Gal. #701 Water Truck .. being released  
- by Guy Horsen, Truck headed back to Flagstaff.

@ W.P. 5 Mid - D-9H 692 > Guy Trewea D-9R 788 > Ram Once.

1100 > Began Verifications on Elevated Area's w/ Ben Zalme Tech II.  
@ North end Section of W.P.5. (advised Operators of marked off areas)  
1200 > Lunch @ A/C all personnel.

1430 HRS > New Dozer Arrival @ A/C - D-9 H 495 (Initial Survey by GH.)

1500 > Back @ Access Control.. Briefed by Henry Bitchitty on Final Verifi-  
cations to NA-174, Did not complete.

FOLLOW UP: 1530 > Wayne Youvella (oller) Refueling D-9-788 Dozer on site.

1600 > All Equipments back @ A/C.

1625 > Report A/C for TC Amst - w/ Frankie A, Ben & Guy H.

CONTACTS: Ernest Greyeyes, Ben Zalme, Henry Bitchitty, Delbert Benis,  
Guy Horsen, Guy Trewea, Wayne Youvella, Henry Shorthair  
Kee/Ram Once, Lovettz./Shirley Williams

NAME: Troy Belmar C#

TITLE: En. Test. I

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 11-17-97MINE/PROJECT NAME: Cp-3, NA-175DURATION OF VISIT: 0700 hrs - 1620 hrsPURPOSE OF VISIT: Verifications, Radiometrics, H.P. MonitorPartly Cloudy

OBSERVATIONS: 0700 hrs > Arrived @ A/C w/ Ben Zehne, Frankie Allison & Guy Horsen - personnel began QC on all instruments (H.P.)  
0729 > MACHINERY w/ Ops. Depart for Site @ NA-175  
0800 hrs > Observe @ BANK w/ 2000 gal. H<sub>2</sub>O Truck #9701 > Shirley Williams - 4000 gal. #193 > Loretta Williams.  
0819 > @ ON SITE @ W.P. 5 > D-9 & 788 > Dennis Chee, D-9 #692 > Harry-Horseharder. Scraper #860 - Terry Yazzie. Scraper #863 > Guy Truax. Scraper #862 > Rudy Horseharder.  
- MUSEUM OF NORTHERN ARIZONA Personnel on Site  
PALO'S Larry Coats & Randy Ried.  
- Scraper #864 (out of service w/ engine problems)  
0924 > 4000 gal water truck #193 @ Spillway Pond... Op. Loretta Williams  
- transferring H<sub>2</sub>O from River Bank to Spillway Pond  
1000 > Dose rates @ W.P. 5 @ 30, 32, 38, 28, 20 (uR/m<sup>2</sup>/hr).  
1030 hrs > AM Air Sample @ W.P. 5 Mid-Section  
3-Scrapers, 2 Tractors. Mechanic Kevin Healy working on Scraper 864.

FOLLOW-UP: 1105 hrs > Completed w/ AM sample, Actual CPM = 38 Flowrate 107.6  
Volume RVEQ = 3.77 e<sup>6</sup> 1200 > Lunch @ A/C w/ all personnel.

1230 > BACK ON SITE @ South Highwall, Operators back @ W.P. 5.  
- Ernie Greyeyes @ South Highwall observations to activity.  
1405 > Begin PM air sample @ North end of W.P. 5 (Downwind EASKIN)  
CONTACTS: Ernest Greyeyes, Ben Zehne, Guy Horsen, Frankie Allison, Kee Chee Loretta Williams, Shirley Williams, Skilla Claw, Guy Truax, Henry Shorttheair Jerry C. Beany, Rudy Horseharder.

NAME: T. DezmanTITLE: En Tech FOI

LINE SITE VISIT REPORT  
Nava AML Reclamation Department

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Date : 11-17-97

1440 hrs > Completed PM Sample w/ ACTVAL (FM = 3.8 Flowrate = 1076 VP = 3770)

- Dose rates @ WPS = 30, 25, 28, 29, 30 (Ci/raw hr)

1530 > E South Highwall w/ Ernest Govey & Observations.

1600 hrs > All Ops & AML personnel back @ A/C.

- Unrestricted releases / Freshouts, etc.

1620 > Report A/C for T/C. AML CR

Tuesday 11/18/97

Did not go on site

AML Meeting @ W/Rock Am -

(8 hrs)

CR

Wed. 11/19/97

No work - Passing of S/R Councilman

(8 hrs)

CR

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: 11/14/97MINE/PROJECT NAME: CP. 3DURATION OF VISIT: 0730 -

PURPOSE OF VISIT:

TO ASSIST IN CONSTRUCTION ACTIVITIES  
AT CAMERON, 3 PROJECT.

OBSERVATIONS: 0730- arrive at access trailer and start QC of instruments 0800-1200- finish up air sample calculating and swipe counting with Frankie Allison & Guy Hansen.

1206-1230- 16 NCH. 1230-1330- final counts of air samples. 1330-1530- on site to scan 175 waste pile #6 to verify if all of w/p is moved. areas still elevated informed Benzamine Env Tech II & Ernest Oreyes, Guy Hansen also. 1530-1600- at access trailer to scissle out and collect all instruments to take back to Shiprock A.M.L. 1930 arrive back at Shiprock & head home.

FOLLOW-UP:

N / A

CONTACTS: Tuba City A.M.L &amp; Tseyi Corp

CK  
NAME: Delbert Belin  
TITLE: Env Tech II

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: 11/13/97  
MINE/PROJECT NAME: CP-3  
DURATION OF VISIT: 0720 - 1620  
PURPOSE OF VISIT:  
To assist in construction activities at Cameron  
Project 3.

OBSERVATIONS:

0720 - at acers trailer te Q.C. instruments and safety meeting with Jack Boyd of Tseyi Corp  
0740 - 1200 - at acers with Frankie Ellison & Guy Hansen and Northern Sutherland. all are counting air samples and swipes dating back to July. 1200 - 1230 - LUNCH.  
1230 - 1530 - continue with counting swipes and air samples. 1455 - M.H. Yazzie, Carl Holiday and D. Misra on site. 1510 - M.H. Y left site back for Shiprock 1535: Carl Holiday & N. Sutherland left site  
1600 - all finished out and leave for the city.

FOLLOW-UP:

continues training and swipe counting

CONTACTS: M.H. Yazzie, Carl Holiday, D. Misra,  
Tuba City C.M.L. - Tseyi Corp

CK  
NAME: Desert Bef  
TITLE: Env Tech II

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 13 November 97

Mine/Project Name: Cameron 03 sites #s 173, 174 and 175.

Duration of Visit: 0730 hours to 1600 hours.

Purpose of Visit : Monitor Equipment and personnel.

Observations: 0724- Access opened and in full swing. (Note: Reviewing access control.) 0727- Safety meeting in yard with Jack Boyd. 0742- Done of safety meeting. D. Bebis and D.B. Johnn were on site. 0817- Checking out all in service instruments. 0859- Only Operators signed in on sign in log. K. Chee was informed by H. Bichitty. 0911- J. Spencer and H. Bichitty on site. 0930- B. Johnn (access). 0934- B. Johnn back on site. 0953- Informed via radio by J. Spencer that operators need to be in half mask respirators to do dust work area. Was informed that J. Spencer did inform K. Chee. 0941- B. Johnn left site. 1037- Counting Follow-Up: Continue tracks, help training.

Contacts: Navajo Nation A.M.L. Staff; Tsegi Boys. Staff.

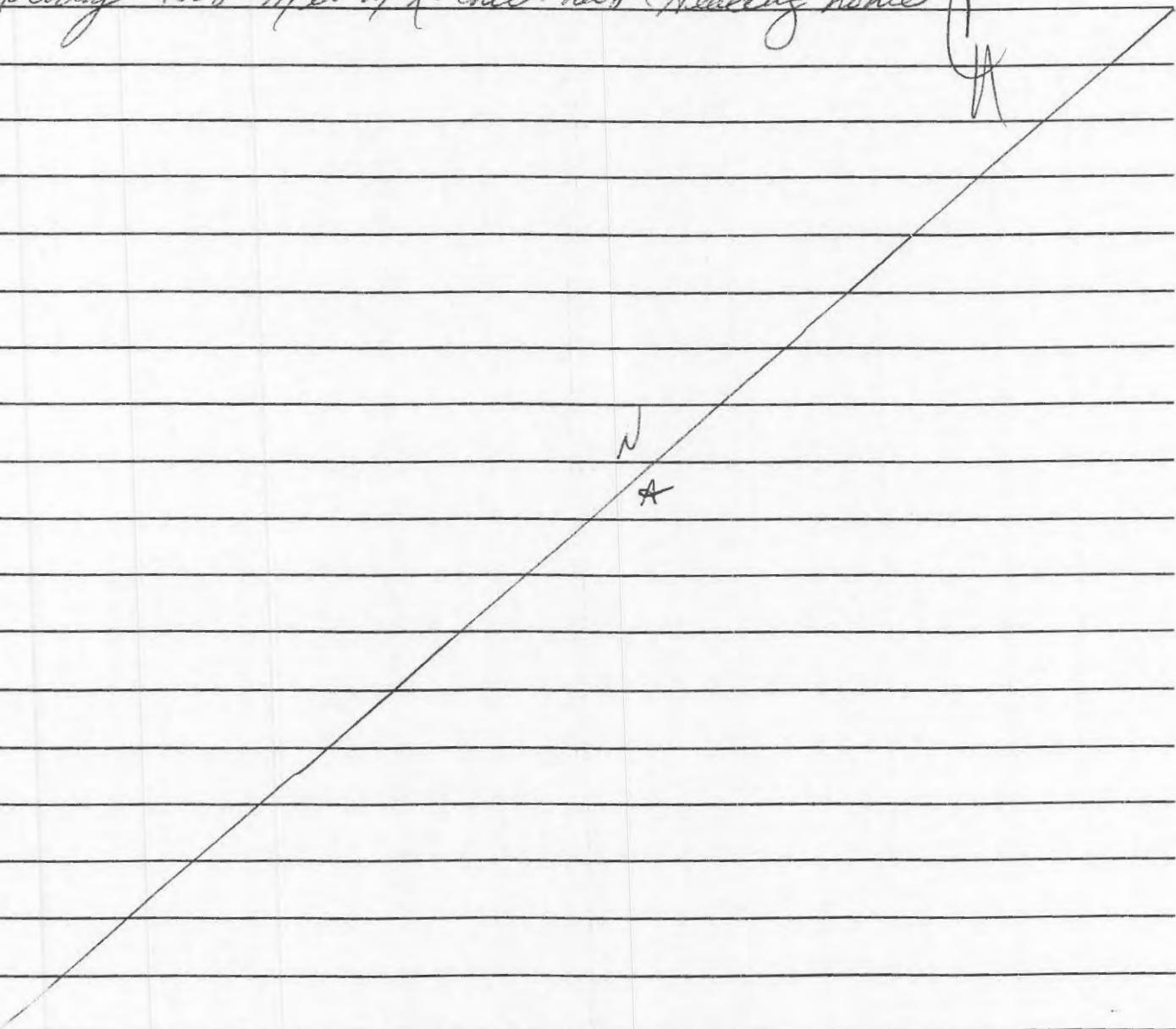
Name: Mark C. Shepherd Title: Indust Helper

MINE SITE VISIT REPORT  
National AML Reclamation Department

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Date : 1/16/97

Swipsis with D. Bebris. 139- J. Spences and H. Bickity  
(access). 140 - Did a C.Ron inst ESPD #806. 1253 - When all workers  
came in for lunch break, each was individually to sign  
in before entering site. 1314 - No operators signed in as  
well as Ronel. 1455 - M. Yazzie, C. Holiday and D. Musiem  
at access. 1440 - T. Boyd @ access. 1519 - On site with C.  
Holiday. 1538 - Met w/ T. Chee. Not Heading home.

CK



MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: 11/12/97 WED

MINE/PROJECT NAME: CD-3 175

DURATION OF VISIT: 0930 - 1620

PURPOSE OF VISIT:

To assist with construction activities at CP-3.

OBSERVATIONS:

0545 - depart Shiprock AML for CD-3. 0930 - arrive at access trailer - CP-3. and start to Q.C instruments. 1000 - 1200 - spent morning counting swipes & air samples dating back to July, 97.

1200 - 1230 - LUNCH

1230 - 1530 - continue air sample calculations with Frankie Allison 1345 - out at site 175 at request of Troy Belmer, - (heading back to T/c) monitoring waste pile + scanning waste pile.

FOLLOW-UP:

continue with air sample calculations

CONTACTS: Tuba City Q.M.C. Carl Holiday  
Melvin Yazzie & Deb Misra

CR

NAME: Delbert Belin

TITLE: Env Tech II

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WEDNESDAY 11-12-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 - 1620 hrs.

PURPOSE OF VISIT: H.P. MONITOR, VERIFICATIONS, RADIOMETRICS

Overcast - Breezy easterly

OBSERVATIONS: 0700 - ARRIVED @ ACCESS CONTROL BY FRANKY ALLISON.

0710 hrs > GUY HORSEN, LARRY COATS ARRIVE w/ NEW Personnel for MUSEUM OF NORTHERN AZ. 0718 > ERNEST GREYEYES ARRIVES.

Hrs > SAFETY MEETING w/ JACK BOYD @ MAIN YARD. (cancel)

0720 > CARL HOLIDAY H.P. ARRIVES @ A/C, BRIEFED BY MR. HOLIDAY

0800 > ON SITE @ W.P.#5 w/ ERNEST GREYEYES ET. III

0810 > BEGIN AM AIR SAMPLE ON W.P. 5, BREEZE N/EASTERLY.

PIT VACINITY - SCRAPER #862 - JERRY C. BEGAY, SCRAPER #858 - TERRY YAZZIE.  
D-9 R788 IN PIT - DEAN CHEE, MOTOR GRADER #502 W.P. 5 EAST - HENRY SHORTHAIR. 2000 GAL. #031 - STELLA CLAW.

LARRY COATS & RANDY REED @ W.P. 4 AREA (MUSEUM OF NORTHERN AZ)

- 4000 GAL. H2O TRUCK #9701 - LORETTA WILLIAMS ENTERING SITE.)

0846 > COMPLETED AM SAMPLE w/ ACTUAL CRM = 3.8, FLOW RATE = 107.6  
VOLUME PULLED = 3.77E4.

0916 > @ WATER POND @ LITTLE COLORADO RIVER, KEE CHEE FOREMAN @ SITE  
w/ 4000 GAL 9701 LOADING UP. 2000 GAL #031 DEPARTS FOR SITE AGAIN.

FOLLOW-UP: SCRAPER #863 ON SITE (OPERATOR NEW PERSONNEL, HARRY H-HORDE)

1000 HRS > DOZER D-9 H 0692 ENTER SITE > OP. KEECHEE @ PIT AREA)

- BEGIN SETTING LATHE @ ELEVATED AREA'S WEST END OF PIT, W.P. 5.

- READINGS @ 4.89E4, 3.89E4, 4.00E4, 2.89E4, 2.50E4, 2.69E4 ETC.

- ADVISED ERNEST GREYEYES ENG.TECH III

CONTACTS: KEE CHEE, ERNEST GREYEYES, GUY HORSEN, FRANKY ALLISON

HENRY SHORTHAIR, STELLA CLAW, LORETTA WILLIAMS, SIRLEY WILLIAMS

LARRY COATS, RANDY REED, HENRY BICHITTY, LEON SPENCER.

NAME: T. Delmar

CJF

TITLE: EN. Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 OF 2

Date : 11/12/97

1119 hrs > HENRY BICHITTY, Leon Spencer Arrived on Site @ West Highway.

1200 > LUNCH @ MAIN YARD, ALL PERSONNEL. NATHAN S., Delbert B.  
@ A/C w/ Guy Horsen & Franky Allison.

1230 hrs > Back @ W.P # 5 West end, Elevated material being  
moved by Scraper #862 > op. Jerry C. Begay, Scraper #858 > Terry Yazzie  
- Scraper #  
- 2000 Gal. H2O Truck #9701 > Shirley Williams.

- GRADER BLADE #602 > Henry Shorthair Scraper #863 > Harry Horsehair.)

CK

(+) ? (S) E

CP-3

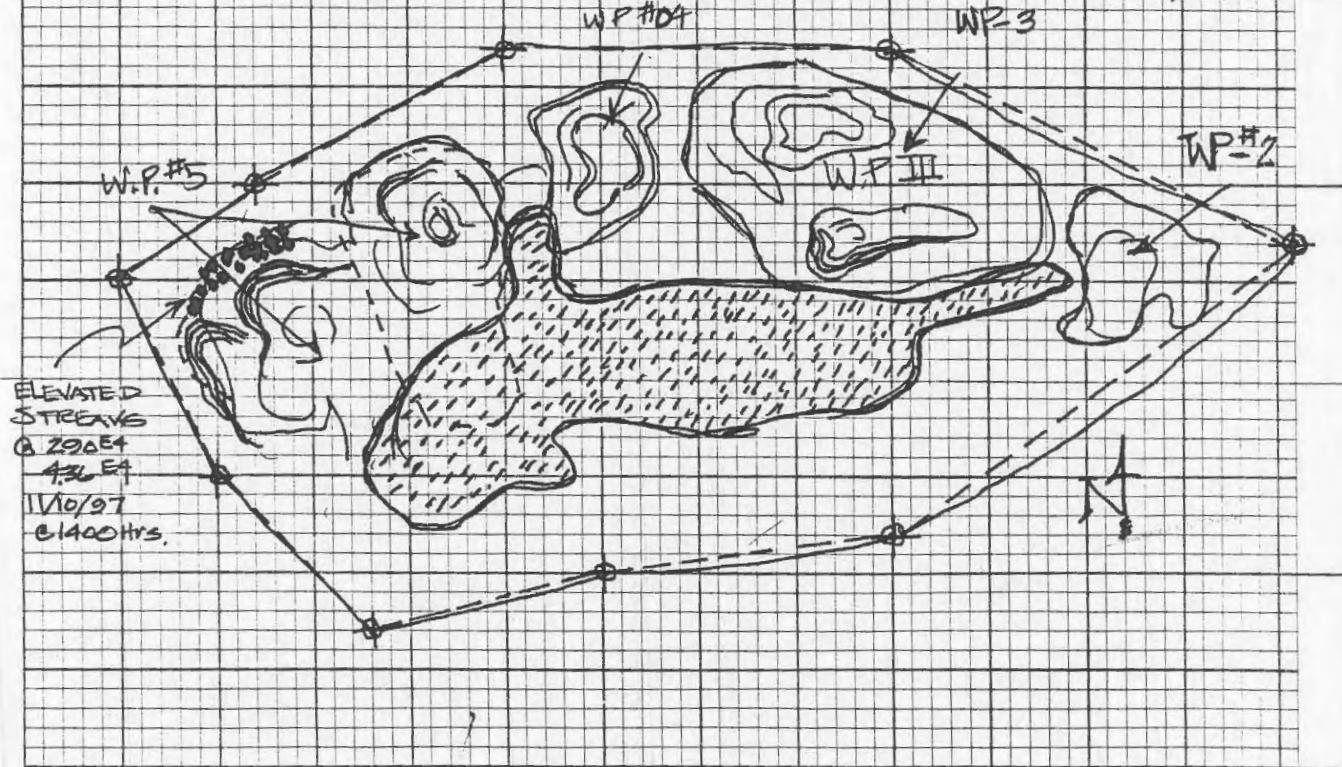
NA-175

MONDAY 1/10/97

WP#04

WP3

WP#2



MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 12 November 97

Mine/Project Name: Cameron 03 sites #s 173, 174 and 175.

Duration of Visit: 0730 hours to 1600 hours

Purpose of Visit : Monitor Equipment and personnel.

Observations: 0730 - Left Monument Valley, Utah. 0930 - Arrived at Cameron 03 access control trailer. Started counting survey with G. Hansen. H. Bichitty helping. T. Allison to do a precision test on an alpha counter. 101 - H. Bichitty still training T. Allison for precision test. G. Bedia going over Q.C. log and checking out instruments. 104 - J. Spencer at access trailer. 101 - C. Holiday going on site. 119 - J. Spencer and H. Bichitty going on site to monitor work activity. 136 - Finished out J. Spencer and H. Bichitty. 1208 - all workers finished out for lunch break. 1307 - Salas going on site. 1321 - H. Bichitty and J. Spencer going on site.

Follow-Up: Continue (radio) helper training.

Contacts: Navajo Nation A.M.L. Staff and Teayo Corp.  
Staff).

Name: Mark Spurlock Title: Radio Helper

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 02 of 02  
Date : 12 Nov. 97

1400-D Bebis (access) to drop off radio before going on site. 1539-C Holiday (access) with D. Mosier, M. Yazzie and J. Begay. 1602-Palos coming off site. 1618-Access closed and secured for the day. CK

N  
A

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 11-10-97

MINE/PROJECT NAME: Cp-3, NA-175

DURATION OF VISIT: 0700 hrs - 1630 hrs

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETERS, Verifications

Partly Cloudy - Slight Breeze Easterly

OBSERVATIONS: 0700 hrs > Arrived on Site @ NA-175 w/ Ben Zahne, Frankie Allison Guy Horsen - Assigned Frankie & Guy H. to Access Control.

0746 hrs > ON SITE @ NA-175 W.P. 5 IMMEDIATE VICINITY, SCRAPER #863 -

- OP. Guy TRUEAX, SCRAPER #858 > OP. Terry Yazzie 862 > Rudy Horseherder

- Motor Blade #502 > Henry Shortnair (SCRAPERS #860/864... BOTH DOWN)

0805 > WATER TRUCK #K-400 4000 Gal enters Site > OP. Loretta Williams.

- 200 Gal. H<sub>2</sub>O #031 > OP. Stella Cimarron.

0834 > BACK @ NORTHEAST SECTION OF W.P. 5, BEGAN SCANNING AREA W/

- Ben Zahne, Tech II. YELLOWISH SAND COLOR @ 4.29E4, 2.39E4, 2.81E4

- 3.81E4, 3.00E4, 4.21E4, 2.89E4, 3.00E4, 2.90E4, 4.68E4, 3.68E4, 4.08E4

0900 > COLLECT DOSE RATES @ RT VICINITY, W.P. 5 EAST (20 uRENYHR).

- @ WEST END OF W.P. 5 @ 22 (uRENYHR), @ N/N CORNER @ (52 uRENYHR)

1024 > D-9 R#788 @ SOUTH HIGHWAY (OP. Dean Chee)

- 4000 GAL. H<sub>2</sub>O TRUCK DEPART A-C- FOR RIVER BANK (OP. Loretta Williams)

- 2 SCRAPERS DOWN BACK @ MAIN EQUIPMENT YD. #860 & 864.

1116 HRS > @ NORTHEAST OF W.P. 5, SCRAPER 858 > OP. Terry Yazzie

FOLLOW-UP: SCRAPER #859 > OP. Jerry C. Begay

1120 HRS > BEGIN AM AIR SAMPLE @ N/E END OF W.P. 5 (2 SCMPORS ON W.P. 5)

1155 HRS > COMPLETED AM SAMPLE > ACTUAL CFM = 3.8 Flow rate = 107.6 Vol Pulled = 5.77 E6

1200 > BACK @ A/C, LUNCH TIME FOR ALL PERSONNEL.

1230 > OPERATOR HEAD BACK ON SITE @ W.P. #5.

CONTACTS: ERNEST GREYES, BEN ZAHNE, GUY HORSEN, LORETTA SHIRLEY WILLIAMS

KEE, DEAN CHEE, STELLA CIMARRON, GUY TRUEAX, RUDY HORSEHERDER, TERRY YAZZIE

CK

NAME: T. Delmer

TITLE: En. Tech. I

**MINE SITE VISIT REPORT  
NAVAJO AML RECLAMATION DEPARTMENT**

**DATE(S) OF VISIT: 06 NOVEMBER 97**

**MINE\PROJECT NAME: CAMERON 03 #173,174,175**

**DURATION OF VISIT: 0730 HOURS TO 1600 HOURS**

**PURPOSE OF VISIT: MONITOR EQUIPMENT AND PERSONNEL**

**OBSERVATIONS:**

**BRIEF NARRATIVE: 05 NOVEMBER 97 FROM 0730 HOURS TO 1600 HOURS AT CAMERON THREE SITES#173,174,175 TO MONITOR EQUIPMENT AND PERSONNEL.**

SYNOPSIS: AT APPROXIMATELY 0730 HOURS I ARRIVED AT CAMERON THREE SITE FOR WORK DUTY AT CAMERON, AZ.0830 HOURS C. HOLIDAY AT ACCESS CONTROL TRAILER MONITORING WORK DUTIES OF NAVAJO NATION A.M.L. STAFF AS WELL AS MONITORING WORK PERFORMANCE OF TSEYI CORPORATION STAFF. 0911 HOURS GOING ON SITE, ALSO C. HOLIDAY GIVING RAD TRAINING TO NEW WORKERS OF TSEYI CORPORATION AS WELL AS ONE FEMALE PALIENTOLOGIST FROM THE MUSEUM OF NORTHERN ARIZONA. 1100 BACK AT ACCESS CONTROL WITH H. BICHITTY AND D. BEKIS.1130 BACK ON SITE TO RESUME WORK DUTY.1200 WORKERS COMING OFF SITE FOR LUNCH BREAK.1215 CROSS TRAINING F. ALLISON. FOR ACCESS CONTROL. 1535 STILL TRAINING F. ALLISON. H. BICHITTY TRAINING WITH F. ALLISON AS WELL.

-AREAS COVERED ON TRAINING WITH F. ALLISON;

1-AIR SAMPLE FORMULAS

2-ACCEPTABLE COUNT RANGE

3-M.D.C. CALCULATIONS FOR Q.C. CHECK USE

4-INSTRUMENT ORIENTATION(IN DETAIL)

5-BACKGROUND LIMITS/DETECTABLE LIMITS

6-SOURCE ORIENTATION

7-FORMULAS FOR ACCESS, FIELD VERIFICATION(NEEDS MORE DETAILS)

8-INTRODUCTION TO RADIATION AND RADON DAUGHTERS

9-COVERED DOSE RATES

1618 ACCESS CLOSED AND SECURED.

**THIS REPORT HAS BEEN WRITTEN FOR DOCUMENTATION PURPOSES ONLY**

**FOLLOW UP: CONTINUE TRADES HELPER TRAINING.**

**CONTACTS: NAVAJO NATION A.M.L. STAFF AND TSEYI CORPORATION STAFF.**

*Nathan Sutherland*

**NATHAN SUTHERLAND-TRADES HELPER  
NAVAJO NATION A.M.L.  
SHIPROCK,N.M.**

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: 11/6/97

MINE/PROJECT NAME: CD-3

DURATION OF VISIT: 0720 - 1600

PURPOSE OF VISIT: To assist with construction activities at CD-3.

OBSERVATIONS:

0720 - arrive at area and start Q.C. instrument

0800 - 1200 - grid out 174 1200 - 1230 - LUNCH

1230 - 1500 - continue with laying out grid & base lines of 174.

1500 - 1530 - at access to fish out. and prepare to depart for Shiprock nm.

FOLLOW-UP: Continue with verification

CONTACTS: Tuba City A.M.L & Tseyi Corp personnel

NAME: Delbert Belch  
TITLE: ENR Tech II

**MINE SITE VISIT REPORT  
NAVAJO AML RECLAMATION DEPARTMENT**

**DATE(S) OF VISIT:** 05 NOVEMBER 97

**MINE\PROJECT NAME:** CAMERON 03 SITES #173,174,175.

**DURATION OF VISIT:** 0730 HOURS TO 1600 HOURS

**PURPOSE OF VISIT:** MONITOR EQUIPMENT AND PERSONNEL

**OBSERVATION:**

BRIEF NARRATIVE: 05 NOVEMBER 97 FROM 0730 HOURS TO 1600 HOURS AT CAMERON THREE SITES#173,174 and 175. MONITORING EQUIPMENT AND PERSONNEL. SYNOPSIS: 0730 HOURS HAD SAFETY MEETING IN THE YARD AT CAMERON THREE SITE. 0759 SAFETY MEETING COMPLETED. COLLECTING WEEKLY SWIPES ON EQUIPMENT.0805 INFORMED TROY VERBALLY THAT I WOULD HELP G. HORSEN COUNT SWIPES THAT HAVE NOT BEEN COUNTED AND CROSS TRAIN NEW TRADES HELPER, INSTEAD WE (H. BICHITTY, D. BEKIS AND MYSELF)WERE TOLD BY MR. DELMAR TO DO VERIFICATION IN AREA #173. 0831 ON SITE FOR VERIFICATION WITH D. BEKIS, AND H. BICITY.1112 HOURS AT ACCESS CONTROL. AROUND THIS APPROXIMATE HOUR I NOTICED THAT G. HORSEN WAS PROCEEDING TO DO AN INITIAL SURVEY WITH AN INSTRUMENT THAT WAS COUPLED WITH A PROBE THAT IS USED TO DETECT BETA AND GAMMA RADIATION. MR. HORSEN WAS TOLD BY H. BICHITTY THAT HE WAS TO USE AN INSTRUMENT THAT WAS COUPLED WITH AN AC-37 PROBE(WHICH IS UNIFORMLY USED TO DETECT ALPHA FOR AN INITIAL SURVEY).MR. HORSEN RESPONDED BY SAYING THAT HE WAS TAUGHT TO USE THE INSTRUMENT THAT HE WAS CURRENTLY USING. MR. BICHITTY THEN STATED TO MR. HORSEN THAT HE HAD PREVIOUSLEY BEEN TRAINED BY MR. BICHITTY TO USE THE INSTRUMENT THAT WAS SUGGESTED IN THE LATTER PART OF THE CONVERSATION.

B. ZAHNE WAS ALSO ASKED BY MR. BICHITTY IF ANY HELP WAS NEEDED ON INSTRUMENTATION OR IF HE NEEDED ANY HELP WITH PAPERWORK OR TRAINING, AND IF SO THAT N. SUTHERLAND WOULD BE ABLE TO STAY IN ACCESS CONTROL TO HELP OUT WITH THE COUNTING OF SWIPES. STILL WE WERE TOLD THAT NO TRAINING WAS NEEDED AND THAT WE WERE TO STILL DO VERIFICATION AS PREVIOUSLEY INSTRUCTED.

MR. G HORSEN AGAIN BROUGHT IT TO EVERYONES ATTENTION, IN A VOLUBLE MANNER, THAT HE WAS NOT TRAINED THE PROPER PROCEDURES ON HOW TO DO A INITIAL SURVEY WITH THE PROPER INSTRUMENT. MR. BICHITTY THEN ASKED WHY MR. HORSEN REFUSED TO ASK ANY OF THE SHIPROCK PERSONNEL ON INSTRUMENT FAMILIARIZATION.

I THEN WALKED THROUGH THE BASIC STANDARD PROCEDURES ON AN INITIAL SURVEY WITH MR. HORSEN.STILL MR. HORSEN WAS NOT SATISFIED EVIDENT BY THE FACT THAT HE WAS UNWILLING TO ACCEPT THE PROCEDURES THAT WERE

SHOWN TO HIM.

L. BEGAY THEN STATED THAT HE WOULD CALL C. HOLIDAY TO FIND OUT THE PROPER PROCEDURES.

1138 BACK ON SITE CONTINUING WITH VERIFICATION.

1230 VISUALLY OBSERVED A RED DUELLY DRIVING ON SITE WHILE IN THE PROCESS OF VERIFICATION.

1327 COMPLETED VERIFICATION FOR AREA #173 BY N. SUTHERLAND, D. BEKIS, H. BICHITTY. HEADING BACK TO ACCESS CONTROL.

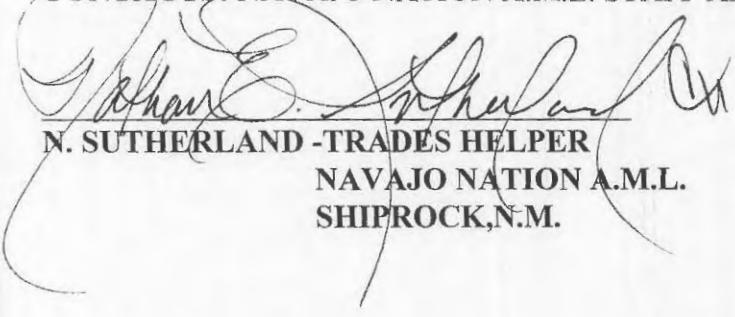
1403 BACK ON SITE. ALSO BROUGHT IT TO THE ATTENTION OF MR. HORSEN IF HE KNEW WHY A PRIVATE VEHICLE (RED DUELLY) WAS DRIVING AROUND ON SITE AND IF AN INITIAL RELEASE WAS DONE ON THE VEHICLE ITSELF. MR. HORSEN RESPONDED BY SAYING THAT THE VEHICLE WAS OWNED BY KEE CHEE AND THAT THE VEHICLE DID NOT HAVE AN INITIAL SURVEY DONE ON IT.

1518 BACK AT ACCESS CONTROL. WORKERS GETTING READY TO COME OFF SITE FOR THE DAY.

THIS REPORT HAS BEEN WRITTEN FOR DOCUMENTATION PURPOSES ONLY.

**FOLLOW UP: CONTINUE TRADES HELPER TRAINING**

**CONTACTS:** NAVAJO NATION A.M.L. STAFF AND TSEYI CONSTRUCTION STAFF.

  
**N. SUTHERLAND -TRADES HELPER  
NAVAJO NATION A.M.L.  
SHIPROCK,N.M.**

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 11/5/97

Mine/Project Name: C.P.-3

Duration of Visit: 0720 - 1600

Purpose of Visit : \_\_\_\_\_

To assist with construction activities at CP-3.

Observations: 0720 - at access site 175 to Q.C. instruments and safety mtg w/ Jack Boyd & Tsegi Corp workers. Told by T. Delmar to verify 174 & 173 we asked them if they needed any help as far as instrumentation, surveys, and calculations his answer was NO! 0830 - out at 173 - h start verifying area. — 1530 - finish verifying 173 and proceed to start gridding 173. 1600 - pack out for the day

Follow-Up: \_\_\_\_\_

FINISH GRIDDING 173, CONTINUE WITH CROSS TRAINING TRADES HELPERS

Contacts: Tuba City A.M.L. - Tsegi Corp.

Name: Delbert Befus Cr Title: Env Tech II

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WEDNESDAY 11-05-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS - 1625 HRS

PURPOSE OF VISIT: RADIOMETRICS, H.P. MONITORING, VERIFICATIONS

WEATHER & CLEAR/WARM

OBSERVATIONS: 0704 HRS > ARRIVED @ NA-175, ACCESS CONTROL W/ BEN ZAHNE,  
FRANKIE ALLISON, GUY HORSEN (BEGIN QC OF ALL INSTRUMENTS.)

0750 > ON SITE @ SOUTH HIGHWALL FOR OBSERVATIONS

- @ W.P.#5 IMMEDIATE AREAS > SCRAPER #863 OP. GUY TRUEAX.

- SCRAPER #864 > OP. TERRY YAZZIE D-9 #788 > DEAN CHEE

- D-9 H 692 > RUDY HORSEHERDER

0830 > HALTED OPERATION DUE TO DUST RISING, WATER TRUCK STILL ON WATER RUN.

- L.C. BEGAY ARRIVE ON SITE @ W.P.#05, DUST OVERWHELMING AREA, 2

H2O TRUCKS, both 2000 GALS. NOT ENOUGH TO CONTROL DUST...

0850 > RESUMED OPERATION W/ BOTH WATER TRUCK BACK ON SITE.

1000 > BEGIN AM AIR SAMPLE @ W.P.#5 MID-SECTION, 2000 GAL. TRUCK > S. WILLIAMS.

1020 > HALTED OPERATION, TOO MUCH DUST.

1030 > RESUME OPERATION (ADVISED FOREMAN IF IT'S POSSIBLE TO KEEP MACHINERY IN  
ONE AREA OF W.P. 5) (DUE TO WATER TRUCKS LIMITED.)

1040 > COMPLETED AM AIR SAMPLE FOR MID-SECTION OF W.P.#05 (ACTUAL CFM = 3.8)

1120 HRS - HALTED OPERATION @ W.P.#05, NO WATER, READINGS @ 4.00E4, 4.36E4

FOLLOW-UP: 3.89E4, 3.24E4, 4.36E4, 2.86E4, 2.10E4, 204E4, 310E4, 4.18E4

1145 > RESUME OPERATION 1200 HRS > LUNCH.... ALL PERSONNEL.

1300 > BACK ON SITE... HALTED OPERATION 1315 > CONTINUED OPERATION.

1400 > SCRAPER #860 DEPART SITE, BUCKET WON'T LIFT... INSPECTION BY MECHANIC.

1435 > BEGIN PM AIR SAMPLE FOR W.P. 5 ON THE NORTH END, DOWN WIND NORTHEASTLY. →

CONTACTS: L.C. BEGAY, ERNIE BREWER, BEN ZAHNE, GUY HORSEN, FRANKIE ALLISON

HENRY BICKNELL, DELBERT BENIS, NATHAN SUTHERLAND, KEE CHEE, HENRY SHORTHAIR, GUY TRUEAX

KELVIN HEALEY, TERRY YAZZIE, RUDY HORSEHERDER.

NAME: T. Delmar Cx

TITLE: En.Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : Wed. 11-05-97

1435 hrs > PM AIR SAMPLE @ W.P.S North, 35 minute run

1515 > Completed PM Sample w/ Actual CFM = 3.8.

- Collect Rose rates @ W.P. #05.

OK

Thursday 11-06-97 > Did not go on Site, Catch up on reports @ T/C AML office.

Friday 11-07-97 > Annual leave (8 hrs)

OK

C D

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 04 November 97

Mine/Project Name: Cameron 03 project

Duration of Visit: 0730 hours to 1600 hours

Purpose of Visit : Monitor Equipment and personnel

Observations: 0750 - Arrived at Cameron 03 access

Control 0830 - On site with H. Brichtly and gridding area #73. 0948 - Back at access control for water break.

1001 - Back on site continuing gridding process with H. Brichtly. 1003 Heavy dust made by equipment in area

45. B. Zahra informed of the situation regarding dust control by H. Brichtly. 1134 - Monitoring equipment and personnel in area 45 with H. Brichtly. Scraping scrapes in this area moving material to cell.

1144 - back to access. 1408 - H. Brichtly conversing with B. Zahra in regards to dust. 1409 - Back on site 1618 - at access.

Follow-Up: Continue trades helper training

Contacts: Navajo Nation A.M.L. staff and W. Semanuchi (Navajo Agency staff)

Name: Ahau J. Shelly Title: Trades helper

Received & Noted:  
Date:

TRIP REPORT  
NAVAJO AML RECLAMATION PROGRAM  
DEPARTMENT NO. 94

1. Travel Authorization No. 868712      Date Submitted: November 4, 1997
2. Destination: Cameron 3 Project area.
3. Objectives: To conduct construction inspection of the Cameron 3 to ensure compliance of the construction work with the technical specifications.
4. A) Summary of trip, including person(s) and organization(s) contacted, and date(s):

11/3/97: The site visits were conducted in accompaniment with Messrs. Melvin Yazzie, Lawrence Begay, Ernest Grayeyes. Earthwork at Sites NA-0173 and NA-0174 is complete and acceptable. Construction of drainage channel/berm and final site grading work were in progress. Radiation survey was in progress. A temporary water retention pond has been built on-site which needs to be documented by a Field Order. Spillway construction work has not been scheduled yet. The contractor will be moving to the last site, NA-0175 soon. The grade of the drainage channel under construction should be checked to ensure positive slope.

B) Recommendations: Schedule the construction of the spillway before the weather gets too cold; check the grade of the channel with level instrument and submit the data to me.

Submitted By: S. Deb Micra      Professional Engineer      11/4/97  
Title:      Date:

✓ xc: Perry Charley, Program Manager, Shiprock AML Field Office.

**MINE SITE VISIT REPORT**  
**Navajo AML Reclamation Department**

Date(s) of Visit : 11/04/97

Mine/Project Name: CP. 3.

Duration of Visit: 0730 - 1530

Purpose of Visit : \_\_\_\_\_

To assist with construction activities at CP.3.

Observations: 0730- at access and start QC for the day.

0830 - 0945. @ 173 to lay out base line + grid line for verification of area. 0955 - 1145 - at 175 to monitor waste pile movement, taking air sample of area - (no H.P. monitor or pump tank at site\*) 1145-1230 - lunch at access trailer.

1230 - 1530 - at site 175 to continue with monitoring & taking pm. air sample. 1530 - finish out for the day.

Follow-Up: \_\_\_\_\_

continue with baseline @ 174 & 173. also cross training

T.A.

Contacts: Tuba City A.M.L. Tseyi Corp.

Name: Delbert Bell

Title: Env Tech II

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 11-04-97

MINE/PROJECT NAME: CP-3, NA-175

DURATION OF VISIT: 0700 HRS — 1620 HRS

PURPOSE OF VISIT: HP. MONITOR, VERIFICATIONS, RADIOMETRICS, etc.

CLEAR, WARM

OBSERVATIONS: 0715 > ARRIVED @ ACCESS CONTROL w/ Ben Z. & FRANKIE ALLISON. QC. OF ALL INSTRUMENTS, LOAD TRANSIT, STAKES, etc.

0745 > BEN ZAHNE TO NA-175 TO MONITOR THIS AM., BEGIN 200x200

- GRID LAYOUT FOR FINAL VERIFICATION TO NA-175<sup>(#10)</sup>. ASSISTED BY FRANKIE ALLISON

1030 HRS > COMPLETED 200x200 SET-UP. HENRY BRICHETTY TECH II ALONG w/  
Delbert BEVIS II, NATHAN SUTHERLAND began 25x25 GRID LAYOUT.

(BASELINE ESTABLISHED FROM SOUTH TO Northcasterly... APPROX 1000' x 1300')

1045 HRS > SET-UP INSTRUMENT @ WEST END CORNER REBAR OF NA-174.

- BEGAN BASELINE SHOTS & OFFSETS @ 200' x 200'.

1200 > LUNCH - ALL PERSONNEL @ MAIN EQUIPMENT YD.

1226 > ALL OPS/PERSONNEL HEAD BACK TO SITE #175.

1240 > ON SITE @ NA-174 w/ ASSISTANT FRANKIE ALLISON, CONT'D 200x200 SHOTS.

@ NA-175 W.P.#5 & IMMEDIATE VICINITY, D-9R#788 -> OP. DEAN CHEE.

#502 GRADER BLADE (OP. HENRY SHORTHAIR), D-9HT#692 > OP. GUY TRUEAX

SCRAPER #864 > TERRY YAZZIE SCRAPER #858 > TOM MIX (W.P.#5 IS @ WEST END OF SITE)

1400 HRS > COMPLETED 200x200 FOR NA-174 & Depart for NA-175.

FOLLOW-UP: 1420 > TOO MUCH DUST ON THE RISE, HALTED OPERATION &  
WAIT FOR WATER TRUCKS TO RETURN FROM RIVER BANK, AVERAGE TIME RUN  
FOR 2000 GAL. WATER TRUCKS @ 14.7 MINUTES / 4000 GAL. 28 MINUTES

W.P.#5 READINGS @ 4.36E4, 4.20E4, 4.16E4, 3.20E4, 2.20E4.

1440 > RESUME OPERATION, WATER TRUCK BACK FROM RIVER BANK. (over→)

CONTACTS: BEN ZAHNE, GUY HORSEN, FRANKIE ALLISON, LC BEGAY, ERNEST GREY-EYES,  
KEE CHEE, JACK BOYD, HENRY SHORTHAIR, GUY TRUEAX, HENRY SHORTHAIR, DELBERT BEVIS

NAME: Troy DELMAR CK

TITLE: En. Test #01

MINE SITE VISIT REPORT  
Nava AML Reclamation Departn t

Page : 2 of 2  
Date : Tue 11/04/07

1505 > NO H2O TRUCKS w/ DUST RISING AGAIN, HALT Operation

1536 > WATER TRUCKS BACK ON SITE, RESUME Operation.

1600 Hrs > ALL MACHINERY HEAD TO MAIN EQUIPMENT Yd. (Shutdown)

1620 - Depart Site for T/C AML.

CX

\* Area's of Concentration mainly focused on W,P,S

- ELEVATED w/ AVG @ (37 pc/gm.)

CX

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 03 November 97

Mine/Project Name: Cameron 03 site #3 173 and 174.

Duration of Visit: 0700 Hours to 1730 Hours

Purpose of Visit : Monitor Equipment and personnel

Observations: 0700-Left Monument Valley, UT. headed to Cameron, AZ. 0745-Arrived at access control site (Cameron) 03 site #3 173 and 174. Brief on site for orientation. 0845-Back at access control. 1100-D. Yazzie at access control and going on site. 1130-D. Yazzie back at access control. 1157-D. Yazzie off site for the day. 1225-M. Yazzie off site for the day). Personnel finishing out for lunch break. 1300-Going back on site. 1330-Back at access control. 1600-Left site headed back to Monument Valley, UT.

Follow-Up: Follow-up contacts made before leaving.

Contacts: Navajo Nation E.M.F. staff and D. Yazzie.  
Local authority staff.

Name: Mark. Aphelco Title: India Helper

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 11/03/97

MINE/PROJECT NAME: CP-3, NA-173, NA-174

DURATION OF VISIT: 0712 HRS - 1630 HRS

PURPOSE OF VISIT: HP MONITOR, VERIFICATIONS, RADIO METRICS, ETC

WEATHER &gt; CLEAR-SUNNY, SLIGHT BREEZE, EASTERLY

OBSERVATIONS: 0712 HRS > ARRIVED @ ACCESS CONTROL STATION FOR NA-173/74 w/  
BEN ZAHNE, TECH II & FRANKY ALLISON, TRADES HELP. GUY HORSEN Q.C. ALL  
INSTRUMENTS. FRANKY ALLISON ASSISTING w/ Q.C..

0730 HRS > ON SITE @ WEST END OF NA-174, EQUIPMENTS PUSHING W.P. POTS  
INTO MAIN PIT VACINITY, D-9 R#788 DOZER, OP. KEE CHEE.

SCRAPER #858 > GUY TRUEAX, SCRAPER #859 > TERRY YAZZIE, #864 > DEAN CHEE.  
D-9 R#692 DOZER @ W.P.#01 > HELEN TRUEAX

W.P. #3 ELEVATED @ 3.89E4, 4.01E4, 2.68E4, 3.00E4, 3.68E4, 4.01E4, 2.26E4.

W.P. #01 WEST @ 2.09E4, 2.10E4, 2.19E4, 2.07E4, 2.89E4, 2.90E4, 3.60E4.

MARKED OFF ELEVATED AREA'S FOR MACHINARIES.

1030 > SHIPROCK AML PERSONNEL ARRIVE ON SITE, HENRY BITCHITY, DELBERT  
BEKIS, NATHAN SUTHERLAND. (BRIEFED PERSONNEL ON SITE STATUS, ETC.)

1046 > CONT SCANNING @ NA-174, MARK-OFF ELEVATED AREAS w/ BEN ZAHNE.

1200 > ALL TSEYI PERSONNEL BACK @ MAIN EQUIPMENT YARD FOR LUNCH.

1230 > OPERATORS HEAD BACK ON SITE, BEGIN w/ COVER FROM BORROW AREA  
@ NA-174 Northwest End.

FOLLOW-UP: D-9 R#788 > DEAN CHEE PUSHING SCRAPERS #858 (GUY TRUEAX) SCRAPER #  
859 (TERRY YAZZIE) FROM W.P. 4 OF NA-175 (CLASS A) MATERIAL, VERIFYING EACH  
LOAD - READINGS @ 2.89E3, 2.79E3, 2.90E3, 2.64E3, 2.39E3, 3.01E3, 3.12E3.

1500 HRS > COMPLETED FINAL COVER FOR NA-174 w/ BEN ZAHNE, L.C. BEGAY, ERNEST  
GREYEYES. 1530 > OBSERVATIONS w/ DELBERT BEKIS, ERNEST GREYEYES @ →

CONTACTS: L.C. BEGAY, ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN, KEE CHEE, GUY TRUEAX  
DEAN CHEE, TERRY YAZZIE, LORETTA SHIRLEY WILLIAMS, HENRY SHORTHAIR, GILBERT TSO  
HENRY BITCHITY, DELBERT BEKIS, NATHAN SUTHERLAND, KEVIN HEALY.

CK

NAME: Troy Delmar

TITLE: EN.Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 11/03/97

NORTH NATURAL HILL TOP. SCRAPER #859 (Op. TERRY YAZIE) @ NA-173

DOING FINAL MOUND-OFFS FOR ERNEST GS.

1604 > BACK @ ACCESS CONTROL, PERSONNEL FRISKOUTS, UNRESTRICTED RELEASES  
ON ALL DEPARTING UNITS.

1626 > DEPART NA-173/74 A.C. W/ BEN ZOTTKE, GUY HORSEN FOR T/C AML.

CW

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 11/3/97 MONDAY

Mine/Project Name: CP-3

Duration of Visit: 1000 - 1600

Purpose of Visit : TO assist T/C AML at CP-3

Observations: 0830-departed Shiprock Aml for CP-3.  
0900-stop at Tuba City Aml to copy paper needed for verification  
1000-@ CP3 195 access trailer. and start QC and Q.C.R's of just  
we brought with us. 1200-(unch). 1230-1300-on site orientation  
with Troy Delmen. 1300-1430-at accs to assist Trade Helpers in  
paper work and to start setting up instruments for swipe  
and air sample counting. 1430-1600 - continue with  
access control; Helping Trade Helpers.

Follow-Up: Continue with cross-training.

Contacts: Tuba City A.M.L stuff & Tseyi Corp.

Name: Albert Belin   
Title: CmW Tech II

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 10-31-97  
MINE/PROJECT NAME: Cp-3, NA-173, NA-174  
DURATION OF VISIT: 0720 Hrs - 1620 hrs.  
PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS, ETC.  
WEATHER - CLEAR/WARM.

OBSERVATIONS: 0720 HRS > ARRIVED @ NA-173,74 ACCESS CONTROL W/ FRANK ALLISON - BEGIN Q.C. ON ALL INSTRUMENTS.  
0730 - BEGAN/CONTINUED MARK-OFFS FOR ELEVATED AREAS @ NA-174 SITE. D-9 H #692 Dozer - Op. KEE CHEE.  
SCRAPER #860 > GILBERT TSO, SCRAPER #863 > GUY TRUEAX.  
GRADER BLADE #502 > HENRY SHORTHAI'R TAKING 1 1/2 feet of Elevated material to Former Pit vicinity.  
0800 Hrs > A M AIR SAMPLE @ EAST BOUNDARY OF NA-174.  
0835 > Completed Air Sample with CFM = 3.8 Flow = 107.6 V. PULSED = 3.77E4.  
1000 > SCRAPER #860 BEGIN COVER ON ELEVATED AREA'S.  
- BEN ZAHNE GW SITE ASSISTING Scrapers & SCANNING AFTER SCRAPER RUNS.  
1200 > LUNCH - FOR ALL PERSONNEL  
1230 HRS > OPERATORS BACK ON SITE @ NA-173/74, FINAL STAGES OF REMEDIATION  
1300 > ON SITE @ NORTH END OF NA-174 - D-9 H 692 > OP. KEE CHEE PUSHING W.P.#3 ON THE WEST END. W.P.#3 ELEVATED @ 2.89E4, 3.01E4, 4.00E4, 3.26E4, 2.00E4, 2.01E4.  
2 SCRAPERS #858 > OP. TERRY YAZZIE \* SCRAPER #863 > GUY TRUEAX.  
FOLLOW-UP: @ NA-173, D-9 #788 > OP. DEAN CHEE, SCRAPER #858 > GILBERT TSO.  
1500 > VERIFICATIONS W/ ESP-1 SPA-3 @ NA-173 W.P. #01 @ 401E3, 3.68E3, 3.70E3, 2.89E3, 3.01E3, 2.89E3, 2.69E3  
1600 > Personnel back @ Main Equipment yard

CONTACTS: Kee Chee, Henry Shorthair, Ben Zahne, Guy Horcen, Guy Trueax  
Rudy Horseholder, Terry Yazzie.

NAME: T. Delmar CK  
TITLE: En. Tech. #01

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date(s) of Visit : 30 October 97

Mine/Project Name: Cameron 03 site

Duration of Visit: 0700 hours to 1730 hours

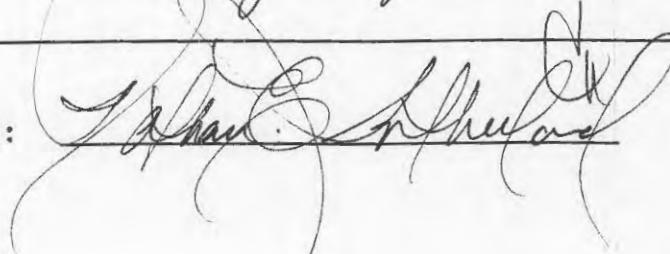
Purpose of Visit : Monitor Equipment and personnel

Observations: 0700-left Monument Valley, UT and headed for Cameron, AZ. 0820- Arrived at Cameron 03 site with C.Holiday. 0955- Going on site to monitor personnel and work activity. 1145- off site for lunch break. Personnel finishing out for lunch break. (Note: also cross trained Gary Horsen). 1537- back on site with C.Holiday. 1611- Back at access control and going over formulas for air samples with access personnel. 1625- Left Cameron 03 site, headed home.

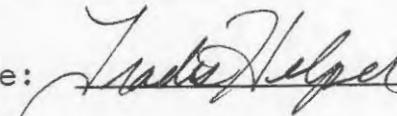
Follow-Up: Continue trades helper training

Contacts: Navajo Nation A.M.L. Staff and W. Commandeur (cons. Anthony staff)

Name:



Title:

  
Trades Helper

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURSDAY 10/30/07

MINE/PROJECT NAME: Cp-3, NA-173-NA-174

DURATION OF VISIT: 0700 HRS - 1620 HRS.

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONS, etc.

Weather - Clear/warm.

OBSERVATIONS: 0714 > ARRIVED @ NA-173-ACCESS CONTROL w/ BEN ZAHNE, FRANKIE ALLISON. NEW SCRAPER @ MAIN YARD, BEGIN INITIAL SURVEY ON #859 (4 SWIPES w/ SCANNING)

0750 HRS > AM AIR SAMPLE @ NORTH END OF NA-173.

D-9 #788 DOZER - DEANCHEE, SCRAPER #860 - TERRY YAZZIE, \*863 - GUY-TRUEAX, GRADER BLADE #502 - HANK SHOBTHAIR.

0755 > SOUTH END OF NA-173 PIT - WIL NAPIER WORKING ON #858.

- L.C. BEGAY & SHIRLEY WILLIAMS TO RIVER BANK.

0830 > Completed AM AIR SAMPLE, ACTUAL CFM = 3.8, FLOW RATE = 107.6 & VOLUME PULLED = 3.77 E4.

0840 > BACK @ ACCESS CONTROL, CARL HOLIDAY H.P. ARRIVES w/ N. SUTHERLAND.

0850 > BACK @ NA-174, AM AIR SAMPLE FOR NA-174 (D-9 692 Kee Chee)

0948 > NEW OPERATOR FOR TSEYI - GILBERT TSO, Terry Yazzie Attend Orientation Given by Carl Holiday. @ A/C.

- NEW SCRAPER #859 ON SITE (Op. Gilbert Tso) PUSHED BY (692 DOZER K.C.)

1048 > BEGIN VERIFYING ELEVATED AREA'S @ 74 NORTH BOUNDARY

FOLLOW-UP: MARKED OFF ELEVATED AREA'S, 3.48E4, 4.12E4, 3.86E4, 3.39E4, 4.00E4, 2.12E4, 2.86E4, 3.01E4, 1.10E5, 1.01E5, 1.17E5, 1.01E5.

1200 > LUNCH ALL PERSONNEL @ MAIN YARD.

1300 → 1340 > P.M. AIR SAMPLE FOR NA-174, SOUTH OF W.P. 3.

D-9 H#692-Kee Chee, 2000 Gal. H2O - Shirley Williams on site →

CONTACTS: L.C. BEGAY, BEN ZAHNE, GUY HORSEN, ERNEST GREY EYES, CARL HOLIDAY, NATE SUTHERLAND, Kee Chee, Shirley-Loretta Williams, KEE CHEE, GUY TRUEAX, Terry Yazzie.

NAME: T. Delmar CK

TITLE: EN. TECH I

MINE SITE VISIT REPORT  
Nava AML Reclamation Departn t

Page : 2 of 2  
Date : 10/30/97

1345 > ACTUAL CFM = 5.0 , Flow Rate = 141.6 Vol. Pulted = 4.95 Ew

1400 > Both Dozers on site pushing REMAINDER waste piles.

D9 788 > Dean Chee , D9 692 > Kee Chee , 4000 Gal H<sub>2</sub>O > L Williams.  
-2000 Gal. Shirley Williams .

-CONT MARKING OFF Elevated Area's @ North end.

1530 > Carl H. & Nathan S. on Site , Discussed Scheduling.

1600 > Baen @ A/C for Friskouts/releases.

1620 > Report A/C for DC.

CH

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WEDNESDAY 10/29/07  
MINE/PROJECT NAME: Cp-3, NA-173, NA-174 - SPILLWAY  
DURATION OF VISIT: 0700 HRS - 1620 HRS.  
PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS  
WEATHER - CLEAR, WARM

OBSERVATIONS: 0700 > ARRIVED @ ACCESS CONTROL STATION W/ BEN ZAHNE,  
GUY HORSEN & FRANKY ALISON (NEW AML TRADESHELP) BEGIN QC.  
0720 > WEDNESDAY SAFETY MEETING W/ JACK BOYD ALL TSEYI PERSONNEL  
& AML STAFF, SAFETY TIPS & REMINDER, DAILY WORK ACTIVITIES, ETC.  
0740 > MEETING ADJOURNED, ADVISED H.P. STAFF WILL BE CONDUCTING  
WEEKLY SWIPES TO ALL EQUIPMENTS.  
0750 > ON SITE NA-174 NORTHEND BOUNDARY, D-9 H 692 (Op. ALFRED MARIANO)  
- BEN ZAHNE CONDUCTING AM AIR SAMPLE ON NORTH SIDE OF MAIN PIT.  
0830 > ADVISED BOTH H<sub>2</sub>O TRUCKS TO ASSIST D-9 692 W/ DUST CONTROL. (74)  
READINGS ELEVATED @ 4.20E4, 2.70E4, 3.80E4, 2.10E4, 2.68E4, 2.70E4.  
BEN ZAHNE COLLECTING DOSE RATES @ IMMEDIATE WORK VACINITY.  
0840 > BEGIN WEEKLY SWIPES W/ SCRAPER #858 (IDLE) D9 788.  
- GRADER BLADE #502 (Op. Henry Shorthair). SCRAPER #860, 4000 GAL H<sub>2</sub>O TRUCK.  
1100 > ASSISTED KEECHEE, GUY TRUEAX, HENRY SHORTHAIR @ SPILLWAY.  
1200 HRS > LUNCH ALL PERSONNEL @ MAIN YARD.  
1226 > OPERATORS HEAD BACK ON SITE @ NA-173, 174 D-9 H 692 A,  
FOLLOW-UP: MARIANO. SCRAPER #863 (Op. DEAN CHEE, D-9 R 788) KEE CHEE.  
1300 > P.M. AIR SAMPLE FOR NA-174, DOZER 692 ON SITE, PIT AREA.  
- COLLECT DOSE RATE @ IMMEDIATE WORK VACINITY, DATA @ 160 (REM/Hr)  
180 (REM/Hr) 200 (REM/Hr) 220 (REM/Hr).  
1340 > END PM AIR SAMPLE - ACTUAL CFM = 3.8 Flow RATE = 107.6 V.P. = 3.77 EG. (Over)  
CONTACTS: Shirley, Loretta Williams, Kee Chee, Dean Chee, Alfred Mariano, Guy T.  
Guy Horser, Henry Shorthair, Ben Zahne, Ernest Greyeyes, Franky Alison.  
Wil Napier, Kevin Italy, Larry Coats.

NAME: T. Palmer

CH

TITLE: Con Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 7 of 2  
Date : 10/29/97

1400> WIL NAPIER, TEREX MECHANIC WORKING ON SCRAPER #858.

- ADVISED PARTS CAME IN & SHOULD BE COMPLETED w/ REPAIRS ON THURSDAY.

- SCRAPER #863 Cop. GUY TREVAX, 860 Terry Yazzie, D9 788 Dean Chee

1550> 4000 Gal. H<sub>2</sub>O TRUCK #143 transferring H<sub>2</sub>O from ~~River bed~~ to  
SPILLWAY FORMED by Dumper 692.

- Kee Chee on Site w/ 2000 Gal H<sub>2</sub>O Truck (#9201)

- ALL MACHINERY Depart back to MAIN yard.

1605> Un-restricted releases / Frisbeouts on ALL personnel @ A/C.

1624> Depart A/C for T/C AML.

OK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 10-28-97

MINE/PROJECT NAME: CP-3, NA-173,74

DURATION OF VISIT: 0700 HRS - 1620 HRS.

PURPOSE OF VISIT: HP. MONITOR, VERIFICATIONS, RADIOMETRICS, ETC.

WEATHER > Clear, Breeze - West to easterly

OBSERVATIONS: 0700 HRS > ARRIVED @ ACCESS CONTROL, BEGIN Q.C. ON RAD.

INSTRUMENTS, 0720 > TEREX MECHANIC FROM SOUTHWEST ARRIVES @ A.C.  
(WILL NAPIER TO WORK ON SCRAPER #858.)

0750 > D-9 #788 ON SITE @ NA-173 (Op. DEAN CHEE) SCRAPER #863 - GUY  
TRUEAX, SCRAPER #860 > TERRY YAZZIE.

DOSE RATES FOR PIT VICINITY @ 15 (UREM/Hr), 17, 19, 20, 22, 24 (UREM/Hr)  
1200 HRS > LUNCH, ALL PERSONNEL @ A/C.

1230 > Operators head back to site

1250 > BACK ON SITE @ SOUTH END OF NA-173

1425 P.M. AIR SAMPLE, END @ 1505 ACTUAL @ 3.8 Flow rate 107.6  
- VOLUME PULLED 3.77 ELO

1600 HRS > BACK @ A/C PERSONNEL FRISNOOTS / UNRESTRICTED RELEASES.

1624 > Depart @ A/C FOR I-AML w/ Ben Zahne, Guy Horsey.

FOLLOW-UP:

CONTACTS: ERNEST GREYBIES, BEN ZAHNE, GUY HORSEY, CAROL ORELL, Kee Chee  
Kevin Healy, Loretta/Shirley Williams, Alfred Mariano, Guy TRUEAX.

NAME: T. Delmar

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 10/27/07  
MINE/PROJECT NAME: CP-3, NA-173, NA-174  
DURATION OF VISIT: 0700 HRS - 1600 HRS.  
PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATION  
WEATHER-CLEAR DAY.

OBSERVATIONS: 0720 HRS > ARRIVED @ A.C. W/ BEN ZAHNE & GUY HORSEN  
0730 > UNRESTRICTED RELEASE ON D-9 # 0692 DOZER TO BE UTILIZED  
@ RIVER BANK. (Op. Guy Trueax) ~~NEW TRADE~~  
0800 > ON SITE @ NA-173 SOUTH END, D-9 # 788 > DEAN CHEE  
- SCRAPER # 860 Op. TERRY YAZZIE, RAD VERIFICATIONS FOR IMMEDIATE  
WORK AREA OF NA-173, PT & EAST END OF SITE.  
3.26E3, 3.30E3, 3.29E3, 2.86E3, 2.90E3, 3.01E3, 4.10E3, 4.29E3, 5.10E3.  
1030 > @ RIVER BANK (LITTLE COLORADO RIVER) D-9 # 692 (Op. Guy Trueax)  
- BOTH WATER TRUCKS 4000 GAL/2000 GAL. (Ops. Loretta & Shirley Williams)  
1100 > BACK @ NA-173, 788 Dozer & 860 Scraper STILL @ WORK...  
1200 > LUNCH, ALL PERSONNEL @ MAIN YARD.  
1243 > BACK @ NA-173 SOUTH Observations w/ Ben Zahne.  
1255 HRS > D-9 692 Dozer back on Site @ 73 - Op. Guy Trueax.  
1320 Hrs > RAD-VERIFICATIONS @ NA-173 w/ READINGS @ 3.48E3, 3.61E3  
3.70E3, 2.69E3, 3.10E3, 4.60E3, 3.68E3, 4.10E3, 3.64E3, 3.80E3.  
1500 > NO MACHINERY @ NA-174, NA-173 - DOZER & SCRAPER 860 IN Operation.

FOLLOW UP: 1600 > Back @ A/C For Swipes/ Releases.  
1615 > Depart A/C for T.C.-AML w/ Ben Zahne, Ernest G. Departs  
w/ Guy Horsen.

CONTACTS: Guy Trueax, Ernest Greyeyes, Ben Zahne, Guy Horsen, Loretta / Shirley  
Williams, Kee Chee, Alfred Mariano, Dean Chee

NAME: T. Rehmer

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 10-24-97  
MINE/PROJECT NAME: CP-3, NA-172b, 173, 174  
DURATION OF VISIT: 0700 HRS - 1600 HRS.  
PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS ETC.  
WEATHER - OVERCAST w/ GUSTY WINDS - NORTHEASTERLY

OBSERVATIONS: 0725 HRS > ARRIVED @ ACCESS CONTROL STATION w/ GUY HORSEN BEN ZAHNE, CAROLINE ORELL, BEGAN USUAL Q.C. ON ALL INSTRUMENTS.  
0800 > ON SITE @ NA-174, D-9H 0692 CONTINUES ON W.P.S (op. A MARIANO)  
0830 > AM AIR SAMPLING FOR 74 SOUTH BOUNDARY, RAD READS ON W.P.#2 @ 4.26E4, 4.21E4, 4.33E4, 6.89E4, 7.21E4, 1.04E5, 289E4, 110E5, 3.89E4.  
0851 > ADVISED BOTH H<sub>2</sub>O TRUCKS, 5000 GAL & 2000 GAL TO CONCENTRATE ON NA-174. L.C. BEGAY ARRIVE ON SITE.  
- @ NA-173 EAST END, D-9#788 DOZER (op. DEAN CHEE) SCRAPER 860 (op. TERRY YAZZIE, CAROLINE ORELL @ NORTH END OF 73. (MUSEUM OF NORTHERN ARIZONA)  
0905 > COMPLETED AM AIR SAMPLING W/ ACTUAL - 3.8, FLOW RATE - 107.6 - VOLUME PULLED = 3.77E6.  
0930 HRS > BEGIN / CONT FINAL VERIFICATIONS FOR NA-172b w/ B.ZAHNE.  
1045 HRS > COMPLETED FINAL VERIFICATIONS FOR NA-172b.  
1100 HRS > BACK @ NA-173 OBSERVATIONS, D-9 #788 & SCRAPER 860 IN OPERATION FROM EAST W.P. TO PIT VACUITY.  
1200 > BACK @ ACCESS CONTROL, LUNCH ALL PERSONNEL.

FOLLOW-UP: 1300 HRS > BACK ON SITE @ NA-174, HALTED OPERATION TO D-9-0692, ADVISED TO WAIT FOR H<sub>2</sub>O TRUCKS, TOO MUCH DUST ELEVATING.  
1400 > ASSISTED BOTH WATER TRUCKS @ 174, D-9 692 PUSHING W.P. 2,3 FROM NORTH TO PIT VACUITY, WIND DIRECTION TO EAST.  
1450 > @ NA-173 D-9 788 STILL PUSHING SCRAPER # 860. (→ next)  
CONTACTS: KEE CHEE, ERNEST GREY/EYES, BEN ZAHNE, GUY HORSEN, HENRY SHOTHAIK, GUY TRUEAX, LORETTA & SHIRLEY WILLIAMS, ALFRED MARIANO, TERRY YAZZIE, KEVIN HEALY.

NAME: T.DELMAR

TITLE: EN. TECH-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 10/24/97

1520 > BACK @ ACCESS CONTROL, KEE CHEE, FOREMAN ADVISED TO  
SHUTDOWN @ 1530 HRS. GUY HORSEN DOING SWIPES / FRISKOUTS.

1600 > DEPART SITE FOR I AML.

CR

Received & Noted:  
Date:

TRIP REPORT  
NAVAJO AML RECLAMATION PROGRAM  
DEPARTMENT NO. 94

1. Travel Authorization No. 846213                                  Date Submitted: October 23, 1997
2. Destination: Monument Valley 2, Ph. 2 and Cameron 3 Project sites.
3. Objectives: Construction inspections to ensure that the construction work meets the requirement of the technical specifications.
4. A) Summary of trip, including person(s) and organization(s) contacted, and date(s):

10/20/97: Traveled to Monument Valley project site in the afternoon of 10/20/97. Met with Messrs. Leon Spencer, Delbert Bekis, and representatives of the contractor, subcontractor, soil stabilization consultant and manufacturer. All the earthwork was complete and acceptable. Revegetation work was in progress. At one area no site preparation was done and so I instructed to prepare the site first before seeding. Soil stabilization ingredients arrived at site today. Discussed with the manufacturer and the consultant the specifics of the soil stabilization process which was scheduled for tomorrow.

10/21/97: Mr. Melvin Yazzie joined the inspection today. Seeding was continuing. Soil stabilization started today. The amount of hydromulch in the soil stabilization mix had to be adjusted since the pump of the chemical applicator could not handle the thick consistency. Some amount of mulch will be left over but the subcontractor was willing to make an adjustment in the price for this amount (about \$4,000.00). Discussed with the contractor the remaining works at the site which must be completed (such as contouring of the retention pond area, general clean-up, elimination of the access roads, seeding and stabilizing the retention pond area, and scarifying and seeding of the staging area. Things were progressing smoothly in the afternoon. Traveled to Cameron in the late afternoon.

10/22/97: Met with Messrs. Melvin Yazzie, Lawrence Begay, Ernest Grayeyes, Guy Horsen, Ben Zahne, Troy Delmer, and Jack Boyd (contractor), and Mark Hahle (Western Technologies). Reclamation work at sites NA-0172 A and B is complete and acceptable. Work is continuing at sites NA-0173 and -0174. Paleontological monitoring and salvage works are in progress. No drainage work has been done so far. Borrow areas for Zone 1 and Zone 2 soil materials were selected and samples taken by Mr. Hahle of Western Technologies, Inc. Proctor values for the soils will be determined in the laboratory. These types of soils will be used for the spillway construction near site NA-0174 probably during the week of 11/3-7/97. Discussed in detail the method of spillway construction and compaction monitoring..

- B) Recommendations:** 1) All the remaining works at the Monument Valley project sites must be completed in accordance with the technical specifications.
- 2) The Contractor for the Cameron 3 Project must submit all the material specifications for review and approval and inform me before starting the spillway construction work.

Submitted By: S. Dab Misra      Professional Engineer      10/23/97  
Title:    Date:

xc: Perry Charley, Program Manager, Shiprock AML Field Office.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUR. 10-23-97

MINE/PROJECT NAME: CP-3 NA-172B, NA-173, NA-174

DURATION OF VISIT: 0700 HRS - 1620 HRS

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS, ETC.

WEATHER - OVERCAST w/ MILD BREEZE. (NORTH EASTERLY)

OBSERVATIONS: 0720 HRS > ARRIVED @ A.C. 173 w/ BENZ & GUY H.

- BEGIN Q.C. ON ALL INSTRUMENTS, ERNEST GREY EYES & LARRY COATS @ A.C.  
0800 HRS > NA-174 D-9H#692 > OP. ALFRED MARIANO, (NO DUST CONTROL TO ASSIST)

- DEPART BACK TO A/C YARD, REQUESTED DUST CONTROL FROM KEE CHEE, -  
FOREMAN. MR. CHEE ASSIGNED SHIRLEY WILLIAMS TO NA-174.

0821 HRS > @ NA-173, D-9R#788 DOZER (OP. DEAN CHEE)

- SCRAPER #860 IN OPERATION (OP. TERRY YAZZIE) SCRAPER #858 DOWN.

- MUSEUM OF NORTHERN AZ. PERSONNEL, MR. LARRY COATS @ NORTH OF 173.

0900 > @ NA-172B w/ BEN ZAHNE (TECH 2) CONT READINGS FOR FINAL  
VERIFICATIONS. (RAD READINGS TAKEN ON CONTACT (PC/4m) & + METER (1/m))

1200 > LUNCH - ALL PERSONNEL @ MAIN EQUIPMENT YARD.

1245 > BACK ON SITE @ NA-174 NORTH BOUNDARY w/ BENZ DOING DESERATES.

- D-9H 692 DOZER PUSHING W.P. 2 IN PIT VACUUM

1320 > COMPLETION OF PM AIR SAMPLE FOR 74, ACTUAL CFM = 3.8

- FLOW RATE = 107.6 VOLUME PULLED = 3.77E6

1330 HRS > BACK @ NA-172B, CONT RAD SURVEY FOR FINAL VERIFICATIONS.

FOLLOW-UP: STRONG GUSTY WIND PICKING UP FROM SOUTHWEST TO N-EASTERLY.

1500 > EQUIPMENTS HEAD IN TO MAIN YARD.

1600 > PERSONNEL PRISLOUTS / UNRESTRICTED RELEASES @ A/C YARD.

1620 > DEPART CP-3, NA-173 A.C. FOR F AML.

CONTACTS: ERNEST GREY EYES, BEN ZAHNE, LARRY COATS, GUY HORSEN  
HENRY SHORHAIR, KEE CHEE, GUY TRUEAX, WAYNE YONELLA, LORETTA  
WILLIAMS, SHIRLEY WILLIAMS, DEAN CHEE, KEVIN HEALY.

CK

NAME: T. DelMAR

TITLE: EN. TECH 1

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: Wed. 10/22/97MINE/PROJECT NAME: Cp 3, NA-172b/NA-173DURATION OF VISIT: 0700 HRS 1620 HRSPURPOSE OF VISIT: HP Monitoring, Radiometrics, VerificationsWeather - Overcast / expected rain.OBSERVATIONS: 0700 > @ NA-173 ACCESS CONTROL w/ BEN ZAHNE & GUY HORSEN - (BEGAN QC ON ALL INSTRUMENTS)0720 > WEEKLY SAFETY MEETING PERTAINING TO ALL TSEY/AML PERSONNEL. SAFETY REMINDERS, etc.0745 > SAFETY MEETING ADJournED.0801 > D9 R #788 ENTER SITE (Op. Dean Chee)- Grader blade # 502 (Op. Henry Shorthair)- 2000 GAL. H2O TRUCK (Op. Loretta Williams) 2000 H2O - (SHIRLEY WILLIAMS)0820 > SCRAPER # 864 - NEW TSEYI PERSONNEL, OPERATOR TERRY YAZZIE.- SCRAPER # 863 Down, HYDRAULIC SYSTEM.- DUST RATES COLLECTION FOR IMMEDIATE WORK FACILITY. @ 18,20, 16 (MICRO) MFT (KEM/HR) MFT0945 > BEGIN FINAL VERIFICATIONS FOR NA-172b w/ BEN ZAHNE TECH. II.- DATA COLLECTIONS ON CONTACT # @ 1-METER (0013-1.1)1125 > DEB MISRA, ROSE GREY, L.C. BEGAY, MELVIN YAZZIE ARRIVE ON SITE.1130 > A.M. AIR SAMPLE FOR NA-174 ON THE NORTH BOUNDARY, D9 H #692 PUSHING W.P. II INTO PIT VACINITY (Op. ALFRED MARIANO)FOLLOW-UP: 1145 > MELVIN YAZZIE NOT UTILIZING ACCESS ROADS ESTABLISHED.1200 > ALL TSEYI PERSONNEL, AML STAFF @ A.C. FOR LUNCH.1225 > OPERATORS DEPART BACK TO NA-173, NA-174.1300 > BACK ON SITE @ 173 SOUTH BOUNDARY, BEGAN SCANNING EASTOF W.P. I # PIT VACINITIES w/ READINGS @ 3.48E3, 2.68E3, 3.00E3, 4.10E3, ↗CONTACTS: L.C. BEGAY, ERNEST GREY-EYES, BEN ZAHNE, GUY HORSEN, M.H. YAZZIE  
DEB MISRA, ROSE GREY, KEECHEE, GUY TRUEAX, LORETTA, SHIRLEY WILLIAMS,  
KEVIN HEALY, WAYNE YOUNELLA.NAME: T. DELMARTITLE: ET-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : WED. 10-22-97

D-9 R#788 PUSHING #864 SCRAPER @ W.P. 1 EAST INTO MAIN PIT.

- GRADER BLADE #502 IN PIT AREA, NORTH ENTRANCE. (Op. HENRY SHORTHAIR)

- 2000 GAL H<sub>2</sub>O TRUCK ON ACCESS ROAD. (Op. SHIRLEY WILLIAMS)

1400 > RAIN STORM APPROACHING FROM NORTHWEST, LARRY COATS ALSO ON SITE @ NORTHEND OF NA-173 (MUSEUM OF NORTHERN ARIZONA).

(\*) 1500 > VERIFICATIONS @ NA-174 w/ BEN ZAHNE, D-9 #692 ON SITE @ WEST END (Op. Alfred Manano) 2000 Gal. H<sub>2</sub>O TRUCK FOR DUST CONTROL (Op. Shirley Williams)

1600 > EQUIPMENTS/MACHINERY HEAD FOR MAIN EQUIPMENT YARD.

1615 > COMPLETION OF UNRESTRICTED RELEASES/SWIPES ON PERSONNEL/EQUIPMENT.

1625 > DEPART A/C FOR T/C AML. CR

(\*) W.P. #1-3 @ NA-174, ELEVATED MATERIAL C 3.49E4, 4.20E4

1.17E5, 1D5E5, 3.20E4, 4.86E4, 6.89E4.

CR

- AREA'S OF CONCENTRATIONS @ NA-173, NA-174.

- VERIFICATIONS (FINAL) FOR NA-172 D.

(TD)

CR

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUE. 10/21/07

MINE/PROJECT NAME: Cp-3-NA-172b, 73, 74.

DURATION OF VISIT: 0720 HRS - 1626 HRS.

PURPOSE OF VISIT: H.P. Monitoring, RADIOMETRICS, Verification ETC.

Weather - Clear/warm

OBSERVATIONS: 0720 Hours > Arrived @ Cp-3 A.C. w/ BEN ZAHNE & Guy Hansen. BEGIN QC ON ALL INSTRUMENTS.

0740 > MARKED OFF Elevated W.P.'s @ NA-174.

- D-9H 692 Dozer @ Site vicinity (Op. Alfred Mariano).

- Carol Orell Also Approaching site (Museum of N. AZ.)

0754 > @ NA-172 b, (begin Tape Lining for 25x25 Layout.)

1100 HRS > Report 172 b for NA-174 for Air Sampling.

1110 AM Air Sample @ 25' North of Main Pit

- DUST RISING w/ Breeze picking up, Halted D-9H 692 &

- Advised to wait for H<sub>2</sub>O truck (Op. Alfred Mariano)

1145 > Completed AM Air Sample w/ Actual CFM = 3.8 Flow rate 1076

Vol. Poured = 3.77E6. (Carol Orell @ North end of UNA-173)

1200 > TSE-YI Personnel began @ A.C. for Lunch.

1245 > ON SITE @ NA-173 North of W.P. 2, Scrapers 864 > Peau-Chee, Scraper 588 > Guy TRUFAX, Grader Blade 502 > Henry Shorthair

FOLLOW UP: 4000 gal H<sub>2</sub>O Truck (Op. Loretta Williams).

1430 > @ 172 b, Cont (25x25) Layout w/ BEN Z.

Carl Holiday & Ernest Greyeyes @ South Slope. No Air Sample for NA-173 this P.M.).

1600 > Completed Layout for 172.b 1620 > Completed Swipes, Finscout, Depart Site &

CONTACTS: CARL HOLIDAY, Ernest Greyeyes, Ben Zahne, Guy Hansen

Kee Chee, Guy Trufax, Loretta Williams, Shirley Williams.

CH

NAME: J. DeMar

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 10/20/97

MINE/PROJECT NAME: Cp-3, NA-172A, 172B

DURATION OF VISIT: 0700 HRS - 1600 HRS

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS

WEATHER - CLEAR, LIGHT BREEZE EASTERNLY

OBSERVATIONS: 0700 > ARRIVED @ NA-172 ACCESS CONTROL, BEGIN QC ON ALL RAD INSTRUMENTS. BENZ & GUY H @ A/C.

- 0745 > ON SITE @ NA-173 SOUTH END. D-9 #788 DOZER ON SITE @ W.P. I EAST (OP. KEE CHEE)

SCRAPERS #860 (OP. DEAN CHEE) #868 (OP. GUY TRUEAX).

- MUSEUM OF NORTHERN AZ, (PERSONNEL - Carol Orell on site @ N.M.U.)  
0900 HRS > BEGIN (200X200') LAYOUT FOR FINAL VERIFICATIONS w/

- BEN ZAHNE, TECH II.

1200 > BACK @ A.C. FOR LUNCH (ALL PERSONNEL)

1245 > @ NA-172B CONT' 200X200 LAYOUT w/ BENZ.

1500 > Completed 200X200 for NA-172B.

1515 > P.M. AIR SAMPLE @ NA-173 NORTHWEST HIGHWALL ABOVE PIT.

SCRAPER 858, ~~860~~ IN OPERATION, SCRAPER 860 DOWN, PROBLEMS w/ GEAR NOT SHIFTING. GRADER BLADE SOL IN PIT VICINITY

- D-9 #788 R DOZER @ EAST END OF W.P. I (OP. KEE CHEE)

- SCANNED W.P. AREA TO EAST END, READINGS @ 3.89E3, 3.98E3

FOLLOW UP: 2.89E3, 2.90E3, 3.00E3

1550 > Completed PM AIR SAMPLE w/ ACTUAL CFM @ 3.8.

Flow rate = 1070 Vol. polled 3.7E6

1600 > All Ops. & Equipments back @ MAIN YP.

1620 > Completed FNSWTS, SWIPE, depart for T. KM.

CONTACTS: Ernest GRE-YEYES, BEN ZAHNE, GUY Horsen, JACK BOYD.

GUY TRUEAX, Kee Chee.

NAME: T. Delmar CR

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 10-17-97

MINE/PROJECT NAME: CP-3 NA-172b, NA-173, 74

DURATION OF VISIT: 0700 HRS → 1630 HRS.

PURPOSE OF VISIT: H.P. Monitor, Radiometrics Verifications, ETC.

WEATHER > CLEAR, WARM SLIGHT Breeze East.

OBSERVATIONS: 0720 > ARRIVED @ ACCESS CONTROL W/ BEN Z. & GUY H.

- BEGIN Q.C. ON ALL INSTRUMENTS, GRACE FROM NORTHERN AZ. MUSEUM

- ARRIVES @ A.C. Operators Depart for Site, NA-172 b.

0745 > ON SITE @ EAST END OF 172b, D-9 R#788 > DEAN CHEE

- SCRAPERS #864 > ROSE TSD #858 > GUY TRUEAX.

- L.C. BEGAY @ WEST TOP OF NATURAL HILLS. (ERNEST G @ T/COFFICE)

0840 > A.M. AIR SAMPLE @ EAST OF W.P. #01

- 4000 Gal. Enter Site Op - Loretta Williams, 2000 Gal. > Shirley Williams.

0915 > END A.M. AIR SAMPLE. ACTUAL CFM = 3.8 FLOW RATE = 107.6

- VOLUME PULLED 3.77 EG.

0930 > @ NA-174 PIT > PIT D-9 H 692 (Op. Alfred Mariano)

- BACK HOE 410 > KEE CHEE. @ NA-173 NORTH END > GRACE

1000 > BEGIN COLLECTING DOSE RATES W/ BEN @ 174

Readings off Model 19 @ 80 (uREM/hr) 110 (uREM/hr) 90 (uREM/hr)

1030 > @ NA-173 Rose rates @ North High Wall 22 (uREM/hr) Ave.

1050 > BACK @ EQUIPMENT YARD - SCRAPER 864, LOW PRESSURE TIRES

FOLLOW-UP: & FUEL LEAKAGE.

1120 > D-9 788 MOVING TO NA-174, D-9 7092 STUCK IN PIT.

1134 > D9 692 BACK OUT OF PIT, KEVIN HEALY, ALFREDO MARIANO, KEE CHEE  
L.C. BEGAY ON SITE.

1144 > @ NA-172 b WEST NATURAL SLOPES W/ L.C. BEGAY, JOE AUGUSTINE.

CONTACTS: L.C. BEGAY, Ernest Arevalos, GRACE, Joe Augustine, Ben Zahne  
Henry Shortchain, Loretta Williams, Shirley Williams, Guy TRUEAX.

NAME: T. Delmar

C#

TITLE: En. Tech #01.

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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- 1200 > LUNCH - ALL PERSONNEL 1230 > Ops. HEAD BACK TO SITE.
- 1243 > BACK ON SITE @ N/W REBAR OBSERVING, FINAL STAGES OF  
- REMEDIATION NA-172b. SCRAPERS #864 > ROSETSO #858 > GUY TWEAK  
- H2O TRUCK #2000 & AL. STIRLEY WILLIAMS, 4000 GAL. > LORETTA WILLIAMS.
- 1300 > Rose rates @ NA-174 (1) BACK HOE 410 > Kee Chee, D-9 H 692 -  
ALFRED MARIANO IN PIT AREA.
- 1345 > Scrapers Completed w/ NA-172b & Moving to 173.  
- #502 Grader blade, Both water trucks & D-9 H 692 Dozer.  
- D-9 #788 Dozer (Op. D. Chee still @ NA-172b Mounding Slopes.)
- 1430 > P.M. Air Sample for NA-173 south end, Shifting winds.
- 1500 > BEGAN SCANNING MAIN W.P. for 173 w/ Model 19 w/ L.C. BEGAY  
- READINGS @ 16, 18, 20, 22, 17, 16, 17 (UR EMU/HR).
- 1540 > Completed PM Air Sampling w/ ACTUAL CFM @ 3.8.  
Flow rate = 107.6 Vol. Rilled @ 3.77 ELP.
- 1600 > All Equipments/Machinery head to Main Equipment yard.  
- FRISKOUTS/SWIPES @ A/C by BZ./GH.
- 1620 > Report Site for TC AMU w/ BEN. & GUY . . .  
Ernest departs w/ L.C. Begay
- CX
- \*NA-172b completed -  
will begin Final Verification Layout on 10/20/97
- CX

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURSDAY 10-16-97

MINE/PROJECT NAME: CP-3, NA-172 b

DURATION OF VISIT: 0700 HRS - 1620 HRS.

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS

WEATHER - CLEAR, COLD, BREEZY-EASTERLY.

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-172 b ACCESS CONTROL W/ BEN-ZAHNE & GUY HORSEN, BEGIN Q.C. ON ALL INSTRUMENTS.

0730 HRS > OPERATORS & EQUIPMENTS BEGIN DEPARTING FOR SITE.

- LARRY COATS DEPART FOR SITE (MUSEUM OF NORTHERN AZ.)

- ASSIGNED BEN ZAHNE TO MONITOR NA-172 b @ LATTER STAGES OF

- REMEDIATION, GUY HORSEN TO A.C. & WEEKLY SWIFES @ YARD.

0800 > BEGIN CATCH-UP ON WEEKLY REPORTS, ACCESS LOGS, ETC @ A.C.

- ERNEST GREYES ALSO DEPART FOR SITE.

1200 > ALL TSEYI, AML PERSONNEL ARRIVE BACK @ A.C. FOR LUNCH.

1226 > TSEYI PERSONNEL HEAD BACK ON SITE.

- CONTINUE ON WEEKLY REPORTS @ ACCESS CONTROL.

1430 > COMPLETED ON REPORTS, BEN ZAHNE BACK @ ACCESS CONTROL.

1449 > DEPART FOR NA-172 b, BEN @ A/C TO CATCH UP ON HIS REPORTS

1454 > @ NA-172 - PIT AREA D-9 H #692, OP. AL MARIANO & BACKHOE #410

- PIONEERING SITE, AREA FILLED W/ MUD, BARELY DRYING OUT.

~~FOLLOW UP:~~ 1500 > @ NA-172 b, W.P. #01 MID-SECTION SCRAPERS #864 & #858

PUSHING W.P. #01, D-9 #788 > DEAN CHEE. ERNEST @ WEST SLOPE.

@ NA-172A - MOTOR GRADER DOING FINAL RIPPING (OP. HENRY SHORTHAIR).

1510 > 2000 GAL. H<sub>2</sub>O TRUCK & 4000 H<sub>2</sub>O TRUCK ON SITE. SHIRLEY & LORETTA WILLIAMS)

1600 > BACK @ A/C FOR PERSONNEL FRISKOUTS / UNRESTRICTED RELEASES. →

CONTACTS: ERNEST GREYES, BEN ZAHNE, GUY HORSEN, KEE CHEE, HENRY-SHORTHAIR, LORETTA & SHIRLEY WILLIAMS, GUY TRUEAX, ALFRED MARIANO, KEVIN HEALY, WAYNE YASUVELA.

CX

NAME: T. DELMAR

TITLE: EN. TECH OI.

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1620 > Completed Friskouts/Swipes.

1624 > Report site for T/C AML w/ BENZ. & Guy H.

C/K

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WEDNESDAY 10/15/97  
MINE/PROJECT NAME: Cp-3, NA-172 b  
DURATION OF VISIT: 0700 - 1620 hrs  
PURPOSE OF VISIT: HP. MONITORING, RADIOMETRICS, VERIFICATIONS  
Weather-Clear, Col &

OBSERVATIONS: 0700 hrs - Arrived @ NA-172 b A.C. w/Ben Zehne / Guy Horsen.  
- Begin Q.C. on all instruments, 0715 > Safety meeting w/ Joe Augustine  
@ Yard - Guy Trueax, Kee Chee, Al Mariano, Loretta, Shirley Williams  
Ernest Greeyes, Wayne Mavella, Henry Shorthair, Rose Tso, Ben Zehne  
Guy Horsen, Carol Orell.  
0750 > ON SITE @ W.P.#01, BEGIN SCANNING AREA w/ RESULTS e  
4.31E3, 3.98E3, 301E3, 613E3, 629E3, 4.38E3, 548E3, 3.98E3.  
D-9 r788 - Dean Chee, Scraper 864 Rose Tso, #858 - Guy Trueax  
D-9 H - 692 Al Mariano cont pushing W.P. 1 EAST, 4 WEST END TO  
THE MAIN RT. 4000 Gal. Loretta Williams 2000 Gal Shirley Williams  
#50Z Motor Grader > Henry Shorthair  
1000 > AM Air Sample @ Approx 50' South of W.P. 1  
1035 > Completed Air Sample, ACTUAL CFM = 3.8 Flow rate = 107.6  
VOLUME PULLED = 3.77 E6.  
1130 HRS > MARKED-OFF AN ELEVATED AREA APPROX 50' X 100'  
@ NA-172A FORMER W.P. 4 SOUTHEND. READINGS @ 3.48E4, 268E4, 270E4  
FOLLOW-UP: 238E4, 201E4. 1200 HRS > LUNCH, ALL PERSONNEL.  
1230 > ON SITE @ NA-172A SOUTHEND, BEGAN DIRECING SCRAPERS  
864 & 858, D-9 H 692 @ MARKED OFF ELEVATED MATERIAL.  
1330 > COMPLETED TAKING OUT ELEVATED MATERIAL BY SCRAPERS, TRANSFERRED  
MATERIAL TO PIT @ 172 b., COVERED W/ BORROW MATERIAL. →  
CONTACTS: ERNEST Greeyes, Ben Zehne, Guy Horsen, Kee Chee, AL Mariano,  
Rose Tso, Guy TRUEAX, Henry Shorthair, Loretta/Shirley Williams.

CK

NAME: T. Relmar.

TITLE: enTech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Cover Material readings @  $3.48 \times 10^3$ ,  $3.68 \times 10^3$ ,  $3.37 \times 10^3$ ,  $3.65 \times 10^3$ ,  $3.44 \times 10^3$   
 $4.30 \times 10^3$ ,  $4.10 \times 10^3$ ,  $3.01 \times 10^3$ .

1340 > scrapers / dozer head back to NA-172 b.

1420 > BEGIN SCANNING @ W.P. #01 @ NA-172 b M&O Section

# Northend @  $3.68 \times 10^3$ ,  $3.72 \times 10^3$ ,  $3.89 \times 10^3$ ,  $4.01 \times 10^3$ ,  $3.29 \times 10^3$ ,  $3.01 \times 10^3$   
 $3.10 \times 10^3$ ,  $3.12 \times 10^3$ ,  $3.62 \times 10^3$ ,  $4.12 \times 10^3$

1525 - P.M. AIR SAMPLE @ W.P. 1 EAST w/ BENZAHNE

- D-9 H 692 PUSHING W.P. TO SOUTH TOWARD MAIN PIT, op A. Markins.

1600 > Completed PM Sample w/ Ben Z.

Actual - 3.8 Flow rate 107.6 Volume pulled =  $3.77 \times 10^4$

1620 > Completed Friscouts / swipes @ A/C

- Report for T/C AML w/ BEN Z. & GUY H.

CH

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 10-14-97

MINE/PROJECT NAME: NA-172 a, NA-172 b

DURATION OF VISIT: 0700 hrs - 1620 hrs

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATION

WEATHER - CLEAR/COLD

OBSERVATIONS: 0700 HRS > @ NA-172 A/C W/ BEN Z., GUY H & Carol Orell.  
- TSEYI PERSONNEL @ A/C GETTING READY FOR WORK.

0740 - ON SITE @ W.P. #01 NORTH D-9 H 692 - Alfred Namano.

SCRAPER 860 Rose TSO, #864 & 858 STILL WARMING UP @ A.C. YARD.

0800 - @ NA-172 a BASELINE CON'T READING 2nd HALF W/ BENZ  
& GUY HORSEN, FROM 400 LINE TO EAST 900 & 1000 LINES

0930 > SHUT-DOWN OPERATION @ NA-172 b, TOO MUCH DUST RISING  
WATER PUMP FREEZED UP OVERNIGHT WON'T START.

1235 > Completed DATA COLLECTION FOR NA-172 A.

- H2O TRUCKS DEPART FOR CAMERON CHAPTER FOR WATER  
OPS - Loretta & Shirley Williams (SHUT-DOWN STILL IN EFFECT)

1330 > CALVIN Corp. DUST GARRETT @ A/C FOR A VISIT.

- CATCH UP ON REPORTS @ A/C, (3 WEEKS BEHIND)

1400 > H2O TRUCKS RETURN, OPERATION RESUMES.

1405 > P.M. AIR SAMPLE FOR 172 b @ SOUTH END HIGHWALL, ABOVE RT.

FOLLOW-UP: ACTUAL CFM = 3.8 FLOW RATE 107.6 VOLUME PULLED = 377 E6

@ W.P. 1 D-9 788 > KEE CHEE Scrapers - 864 - GUY TRUEAX

Motor BLAUE 502 # HENRY SHORTHAIR, 4000 Gal Loretta Williams

2000 > SHIRLEY WILLIAMS 1445 END 35 MINUTE AIR SAMPLE.

1600 > BACK @ A/C FOR SHUT-DOWN, FINSKOUT SWIPES, etc →

CONTACTS: Ernie Stevens, Kee Chee, Ben Zahne, Guy Horsen, Loretta W.  
Shirley W. Carol O. Guy T., Henry S.

ck

NAME: T. Delmar

TITLE: Env. Technol

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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16207 completed swipes, Frsouts, Report A/C For T/c. AML.

CK

\* Completed Final Verifications for NA-172A

CK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 10/13/97

MINE/PROJECT NAME: CP-3, NA-172 A-B

DURATION OF VISIT: 0700 HRS - 1620 HRS.

PURPOSE OF VISIT: HP. MONITOR, RADIONETRICS, VERIFICATIONS

Weather - Clear, Nippy Morning

OBSERVATIONS: 0700 > ARRIVED @ ACCESS CONTROL W/ BEN ZAHNE & GUY-HORSEN, ERNEST GREYEYES ARRIVED ALSO. BEGIN QL. ON INSTRUMENTS.

- Ops. on site @ 0730, ~~KEE CHEE D9-788~~, @ Northeast end of W.P. 1 NA-172 b D9H > AL MARIANO, Scraper 860 > Rose TSO Scraper 858 > GUY TRUEAX D9 788 > DEAN CHEE, 4000 gal. Shirley Williams 4000 > H2O Truck - Loretta Williams, ERNEST & CAROL O. @ North Top of Hill.  
- GUY HORSES ASSIGNED TO A/C, TODAY.

0850 > BEGIN AM AIR SAMPLE & COMPLETE @ 0930 HRS.

0940 > @ NA-172a BEGIN 2nd HALF 25'x25' GRID LAYOUT & 200'x200' LINE EXTENSIONS FROM N/W CORNER REBAR.

CONT LINE EXTENSIONS TO EAST & SOUTH AREA'S.

1200 > COMPLETED LINE EXTENSIONS @ 200'x200' FDV NA-172a.

→ LUNCH. ALL PERSONNEL

1240 > CONT 25'x25' GRIDDING w/ 200' TAPE.

1445 > COMPLETED 2nd HALF GRID LAYOUT W/ BEN Z, L.C. BEGAY & GUY HORSEN.

1500 > P.M. AIR SAMPLE @ SOUTH PIT HIGHWALL W/ BEN Z.

FOLLOW-UP: ① ACTUAL CFM 3.8, FLOW RATE = 107.6 VOL. PULLED 3.77 ELO.

1535 > COMPLETED PM SAMPLE.

② W.P. 1 > D9 788 - KEE CHEE, SCRAPER #860 > ROSE TSO 858 > GUY TRUEAX SCRAPER 864 > DEAN CHEE 1600 > SHUT-DOWN FOR THE DAY - BACK @ A.C.

1622 > DEPART NA-172 A.C. FOR T.C. AMLR.

CONTACTS: KEE CHEE, GUY TRUEAX, ROSE TSO, DEAN CHEE, HENRY SHOMHAIR, ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN, LORETTA, SHIRLEY WILLIAMS, CAROL ORELL.

NAME: T. Delmar C\*

TITLE: En Tech 01.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 10/10/97

MINE/PROJECT NAME: Cp-3, NA-172 A/B

DURATION OF VISIT: 0700 hrs — 1630 hrs

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS

Weather > Clear/warm

OBSERVATIONS: 0700 hrs > ARRIVED @ A,C - NA-172 A/B W/ BEN Z & GUY HORSER

- BEGIN QC. ON ALL INSTRUMENTS, CAROL DRELL ARRIVES @ A.C.

- ERNEST G. ARRIVES W/ L.C. BEGAY.

0730 > BEGIN FINAL VERIFICATIONS DATA COLLECT FOR 1ST HALF

OF NA-172A W/ BEN & GUY, INSTRUMENT ESP-1<sup>#</sup> 794 W/ SPA-3 810  
ESP-1<sup>#</sup> 800 W/ SPA-3 #815 probe. (Contact & 1-Meter.)

(Contact Measure Correlation = .0013 - 1.1.)

0930 hrs > Depart NA-172 A/B A/C FOR T/C.

\*Note > MANDATORY STAFF MEETING ANNOUNCED BY  
RAY RUSSELL & PERRY CHARLEY @ T.C. AML office, today.  
For All AML Staff.

FOLLOW-UP: CONT reading on Monday 10/13/97.

CONTACTS: L. C. Begay, Ernie GREYYES, BEN ZAHNE, GUY HORSER  
AL. MAVANO, KEE CHIE.

NAME: T. REILLY 4K

TITLE: En.Tech #01

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURSDAY 10-09-97

MINE/PROJECT NAME: NA-172a/b. Cp-3

DURATION OF VISIT: 0700 HRS - 1620 HRS

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS.

WEATHER - CLEAR/WARM

OBSERVATIONS: 0700 HRS > ARRIVED @ NA-172A-B, ACCESS CONTROL

w/ BEN ZAHNE & GUY HORSEN, BEGIN QC ON ALL INSTRUMENTS.

0800 > ON SITE @ EAST END OF NA-172a, D-9 788 > BOY TRUEAX  
@ EAST SLOPE, D-9 H 692 > A.J. MARIANO @ WEST SLOPE

- SCRAPER #858 > DEAN CHEE, SCRAPER #860 > ROSE TSO

- 4000 H<sub>2</sub>O TRUCK > LORETTA WILLIAMS, 2000 GAL. TRUCK > SHIRLEY WILLIAMS,

- PALEO - LARRY COATS ALSO ON SITE, KEE CHEE & ERNEST GREY EYES  
CONVERSING @ EAST END.

0830 HRS > ALL EQUIPMENTS MOVING TO NA-172b NEXT SITE.

- D-9 H 692 STAYING @ 172a MOUNDING OFF SLOPES. (Op A. MARIANO)

0830 HRS > BEGAN 25'X25' GRID LAYOUT w/ GUY HORSEN. (200' TAPE)

1100 HRS > COMPLETED 1ST HALF GRID LAYOUT w/ GUY NA-172a.

1125 > BEGAN AM AIR SAMPLE FOR 172b @ 20' SOUTH OF W.P. 01

1200 > COMPLETED AM SAMPLE w/ ACTUAL CFM = 3.8 FLOW RATE = 107.6 VOL PULLED = 3.77 E<sub>01</sub>  
- LUNCH FOR ALL PERSONNEL.

1300 > BACK ON SITE @ 172b ABOVE W.P. 1 SOUTH SLOPES.

FOLLOW-UP: @ W.P. #1 EAST END, SCRAPER #860 > ROSE TSO.

D-9 H 692 > FORMING SAFETY BERMS AROUND MAIN RT EDGES.

NEW SCRAPER #864 - op. DEAN CHEE., D-9 R 788 > GUY TRUEAX.

2000 GAL - H<sub>2</sub>O TRUCK > SHIRLEY WILLIAMS 4000 GAL. = SHIRLEY WILLIAMS.

#50Z MOTOR GRADER > HENRY SHORTHAIR. 1300 HRS → 1335 PM AIR SAMPLE →

CONTACTS: KEE CHEE, GUY TRUEAX, A. MARIANO, LORETTA, SHIRLEY WILLIAMS.

GUY HORSEN, BEN ZAHNE, ERNEST GREY EYES, DEAN CHEE, KEVIN HEALY  
WAYNE YOVVELA.

NAME: T. PERMAN

Ck

TITLE: BN. TECH 01

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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Date : 10/09/97

1600 Hrs > ALL EQUIPMENTS/MACHINERY BACK @ A/C, YRD.

- PERSONNEL FRISKOUTS, Unrestricted releases, etc.

1626 > Report A/C for T/C w/ BEN.Z. & Any Horsen.

C/H

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 10-08-97

MINE/PROJECT NAME: CP-3, NA-172A / NA-180

DURATION OF VISIT: 0700 HRS - 1620 HRS

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATION

CLEAR/ WARM TODAY.

NOTE: SICK LEAVE 8 HRS ON TUESDAY 10-07-97

OBSERVATIONS: 0700 HRS - ARRIVED @ NA-172A ACCESS CONTROL w/ BEN ZAHNE.

& GUY HORSEN. 0715 > WEEKLY SAFETY MEETING w/ JACK BOYO.

- ALL TSSEGI PERSONNEL, SAFETY REMINDERS.

0725 > MEETING ADJOURNED, DEPART FOR SITE.

- BEN Z. / GUY H. DOING Q.C. ON ALL INSTRUMENTS @ A/C.

0830 > @ NA-180 w GUY H. & DON'T READING FOR FINAL VERIFICATIONS.

1000 HRS > COMPLETED FINAL VERIFICATION FOR NA-180 DEPART FOR A.C.

- @ A/C CALCULATIONS ON MDA, LLGA, 20 MINUTE CUTS, SWIPE CARTS  
w/ LUDLUM 93C10

1120 > ON SITE @ NA-172A N/E HIGHWALL FOR AM SAMPLE.

- DOWN WIND SLIGHT BREEZE EASTERLY, NA-172A FINAL STAGES.

- SCRAPER #858 > DEAN CHEE, D-9788 > KEE CHEE, 4000 GAL. LORETTA WILLIAMS

- 2000 GAL > SHIRLEY WILLIAMS, SCRAPER #860 > ROSE TSO, #863 > GUY TRUEAX.

- D-9 H #692 > AL. MARIANO.

1130 - PIT - GRADER BLADE #502 > HENRY SHORTHAIR, NORTH HIGHWALL >  
LARRY COATS SCANNING AREA. AIR SAMPLE RESULTS, ACTUAL = 3.8 FLOW RATE = 107.6

FOLLOW-UP: VOLUME PULLED = 3.77 ELP. 1200 HRS > LUNCH - ALL PERSONNEL.

1300 > SET-UP SURVEY INSTRUMENT @ WEST END OF NA-172A

- BEGIN LAYOUT FOR FINAL VERIFICATIONS, BASELINE @ 200'X200'.

1447 > COMPLETED 200'X200' SHOTS w/ BEN Z. FOR 1<sup>ST</sup> HALF OF SITE.

1500 PM AIR SAMPLE @ 25' NORTH ON HIGHWALL. →

CONTACTS: ERNEST GREYES, KEE CHEE, BEN ZAHNE, GUY HORSEN  
SHIRLEY, LORETTA WILLIAMS, AL. MARIANO, LARRY COATS, ROSE TSO.  
GUY TRUEAX, DEAN CHEE, HENRY SHORTHAIR,

CH

NAME: T. DELMAR

TITLE: EN. TECH O1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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NA-172 b W.P. 01 - SCRAPER #868 > DEAN CHEE, SCRAPER 860-  
-ROSE TSO, DQR 788 > REE CHEE #502 Motor BLADE > HENRY SHORTHAIR.  
-Scraper #863 (Down - op-GUY TRUEAX) @ 172A - PIT #692 AL. MARIANO.  
1535 > COMPLETED PM Air Sample, ① ACTUAL = 3.8 Flow rate = 107.6  
③ VOLUME PULLED = 3.77 L

1600 > Back @ A/C For Friskouts, Swipes, Releases.

1620 Hrs > Depart NA-172 b A/C For T/C AML.

CW

\* NA-172 a Completed on Remediation.

Working on Layout for final verifications

(TW) CW

\* Wed

NA/ITZ 9 10/08/97

B.S.	T	Horz.	Vert.	Angle	Ele.
0	#01	974.28	47.62	0	
		800	13.05		
		600	15.05		
		400	9.11		
		200	2.75		

200x200 282.84 2.32 45°

400x200 447.21 11.66 26° 33' 54"

600x200 632.45 18.63 18.26 58

800x200 824.62 30.73 142 10

200 42.34 90

400 4.10 90

200x400 447.21 4.10 63.26 58

400x400 565.68 25.94 95°

600x400 721.11 33.41 24

CK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 10-06-97  
MINE/PROJECT NAME: NA-179a / NA-180  
DURATION OF VISIT: 0700 HRS - 1600 HRS  
PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS.

Weather, Clear, Cool.

OBSERVATIONS: 0700 HRS > ARRIVED @ ACCESS CONTROL W/ BEN Z., GUY H., JACK BOYD & COMPANY @ YARD, NAV/MUSEUM PERSONNEL GRACE IRBY ARRIVES @ YARD.  
0730 HRS, TSEY: PERSONNEL Depart for Site, BEN ZAHNE ASSIGNED TO A.C. THIS WEEK.  
0800 > @ NA-180 w/ GUY HORSEN & CONT REMOVED 2nd HALF.  
- KEE CHEE w/ BACK HOE @ 180 WEST END w/ LORETTA, SHIRLEY WILLIAMS ROSE TSO LOADING ROCKS FOR SPILLWAY NORTH OF NA-175  
1125 HRS > BEGIN AM AIR SAMPLE w/ GUY HORSEN @ N/E END OF 172a PIT. (HIGHWALL 35 MIN. RUN.) END @ 1200 HRS.  
ERNEST GREYEYES @ EAST HIGHWALL.  
NA-172a PIT AREA, D-9 #788 DEAN CHEE, SCRAPERS 858 > ROSET. #863 > GUY TRUEAX, 2000 GAL. AL. MARIANO.  
1200 > LUNCH ALL PERSONNEL. LC BEGAY ARRIVES @ A.C.  
AIR SAMPLE ACTUAL CPM = 3.8 FLOW RATE 107.6 VOL. PULLED = 3.77 E6  
1300 > CONT REMOVED 2nd HALF NA-180 w/ GUY HORSEN.  
FOLLOW-UP: 1520 > DEPART 180 FOR 172a FOR AIR SAMPLE, DOSE RATES.  
1525 > BEGIN PM AIR SAMPLE @ 50' NORTH OF PIT ON HIGHWALL.  
- DOWNWIND SOUTH TO EASTERLY - ACTUAL = 3.8 FLOW = 107.6 VOL. PULLED = 3.77 E6  
1600 > COMPLETED AIR SAMPLE, BACK TO A.C.  
1620 > COMPLETED SWIPE/FNSKOUTS @ A.C. & REPORT FOR T/C A.M.  
CONTACTS: Ernest Greyeves, Ben Zahne, Guy Horser, Kee Chee, Kevin Healey, Rose Tso, Guy Trueax, Henry Shorthair, Jack Boyd.

NAME: T. Delmar CR

TITLE: En. Tech. 01

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 10-03-97MINE/PROJECT NAME: CP-3, NA-172a/180DURATION OF VISIT: 0700 Hrs - 1630 Hrs.PURPOSE OF VISIT: H.P. Monitor, Radiometrics, VerificationsWeather - Overcast, Muddy Road Conditions\* Note WASHED OUT ROAD off-89 to Site 172a (6730 BIA Road)OBSERVATIONS: 0930 Hrs > Arrived @ 172a Access Control w/ BEN ZAHNE, ERNEST G. w/ GUY HORSEN.TSEYI PERSONNEL WILL BE WORK ON SERVICE ROAD COMING IN OFF ROUTE 189 (STORM LAST NIGHT WASHED OUT ROAD.) @ 1300 HRS - BEGAN Q.C. ON ALL INSTRUMENTS @ A/C. ~~1000~~1000 HRS > @ NA-180 w/ BEN Z. CON'T FINAL VERIFICATIONS DATA COLLECT. 1135 > BACK @ A/C TO PICK UP AIR SAMPLER #710.1130 > BEGIN AM AIR SAMPLE @ NORTH W.P. 4ACTUAL CFM = 3.8, FLOW RATE = 107.6 VOL. PULLED = 3.71661141 > ONE SCRAPER MAKING ROUNDS FROM W.P. 1 W/ D9 788 PUSHING (ops. GUY TRUEAX & DEAN CHEE D9 788)1200 HRS LUNCH.1300 > TSEYI PERSONNEL BEGIN WORKING ON FLOODED ROAD.- BACK @ NA-180 CONT READING SITE.1530 > Completed DATA COLLECT FOR 1ST HALF OF NA-180.1600 > Depart 172a A.C. FOR TC AML.FOLLOW-UP:CONTACTS: KEE CHEE, E. GREYEYES, BEN ZAHNE, GUY HORSEN.NAME: T. Delmar CKTITLE: EN. Tech OI.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 10/02/97  
MINE/PROJECT NAME: CP-3, NA-180 / 172a  
DURATION OF VISIT: 0700 HRS - 1630 HRS  
PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS  
WEATHER - RAIN / MUDDY ROAD CONDITIONS.

OBSERVATIONS: 0700 HRS > ARRIVED ON SITE @ NA-172a A/C. (begin D.C. on INSTRUMENTS w/ GUY H. & BENZ  
0732 HRS > MACHINERY DEPART FOR SITE NA-172a. W.P. 04.  
- D9 H #06912 - AL MARIANO, D-9 R #788 - KEE CHEE, MOTOR BLADE #502 > HENRY SHORTHAIR, Scraper #860 - ROSE TSO, #858 - DEAN CHEE, #863 > GUY TRUEAX. Scraper #864 > Idle, 2000 Coal. > STIRLEY W.  
- 4000 Coal. Loretta Williams - The TRUCK WON'T Start (Dead Battery)  
- LARRY COATS NAV PALEO, Reports for Site...  
JACK BOYD & WAYNE YONVILLA ARRIVE @ YARD.  
0800 HRS > @ NA-180, BEGIN READINGS ON CONTACT & @ 1-METER  
- w/ BEN ZAHNE.  
1105 HRS > BACK @ NA-172a & BEGIN AM Air Sample w/ PEN.  
- SCANNED W.P. 4 MID-SECTION, SOUTH END & EAST END.  
- READINGS @ 8.63E3, 4.10E3, 729E3, 6.30E3, 104<sup>E4</sup>, 110<sup>E4</sup>, 121<sup>E4</sup>, 4.29E3, 101<sup>E4</sup>, 168<sup>E4</sup>, 180<sup>E4</sup> @ SOUTH END.  
1200 HRS > LUNCH @ A/C, YARD ALL PERSONNEL.  
FOLLOW-UP: 1230 > TSAYI; PERSONNEL / AML STAFF HEAD BACK ON SITE.  
1300 > BACK @ NA-180 w/ BEN ZAHNE CONT DATA COLLECTION @ WEST END  
TO NORTH END. (1st Half)  
1520 > @ NA-172a NORTH END HIGHWALL FOR PM. AIR SAMPLE.  
FROM W.P. 4 TO PIT AREA, SCRAPPERS 858, 860 & 863 MAKING RUNNS. →  
CONTACTS: EYNIE GREY-EYES, JACK BOYD, BEN ZAHNE / GUY HORSEN,  
ROSE TSO, KEVIN HEALEY.

NAME: T. Delman

TITLE: EnTech 01

Rebar #1 West → T Cp 3, 180  
Horz. Vert. Angle Ele

Rebar 2 837.64 -2.91 0

800.00 -6.91 0

600 -2.32 0

400 -2.10 0

200 -3.10 0

---

282.84 200x200 -0.94 45°

400x200 447.21 0.25 26<sup>33</sup><sub>48</sub><sup>54</sup>

600x200 632.45 0.16 18<sup>26</sup><sub>58</sub>

800x200 824.62 0.01 14<sup>2</sup><sub>10</sub>

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400x400 565.68 -3.91 45°

600x400 721.11 -6.49 38<sup>41</sup><sub>24</sub>

800x400 894.42 0.02 26<sup>33</sup><sub>54</sub>

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400x600 721.11 -16.98 56<sup>18</sup><sub>35</sub>

600x600 848.52 -17.71 45°

800x600 1000 -12.78 36<sup>52</sup><sub>11</sub>

CH

**MINE SITE VISIT REPORT**  
**Navajo AML Reclamation Department**



**Date(s) of Visit :** October 1, 1997

**Mine/Project Name :** Cameron 3 AML Project: NA-0172a, -0179, and -0180

**Duration of Visit :** 3.5 hours (10:30 to 2:00 pm)

**Purpose of Visit :** Site inspection per the Contract Documents and provide assistance to Lawrence. An assignment to provide information to a reporter from the Gallup Independent, Kathy Helms. Lawrence was assigned to take her on a site tour.

**Observations :** Travel to Tuba City AML to meet Lawrence and Kathy Helms, Gallup Independent. Since I was running late, I contacted Lawrence and informed him that I would meet him at the project. While in route, I met Lawrence on the road. Site tour within Cameron started with the open pit with standing water, NA-0137 - Yazzie No.312. While at this site, the U.S. EPA helicopter was flying around in the area. Plans for this site were briefly discussed with the reporter. Following this site visit, we continued to the active construction site. Lawrence and the reporter visited project NA-0163 before arriving at project NA-0172a. While at the access control trailer, Guy Horsen at control, a brief orientation on the safety requirements was given to the reporter. Jack Boyd was not available for an interview. But the reporter had a chance to interview the paleontologist, Mary Carpenter. Ms. Carpenter briefly discussed her role under the monitoring of the project and what her program has found so far. Ms. Carpenter stressed that NAMLRD has been very cooperative in coordinating the on-site construction activities and that her monitoring of the project is not required by law, it is a courtesy by NAMLRD. Most fossils found are not radioactive. The fossils are actually the property of the Navajo Nation and the Museum of Northern Arizona is just caring for them. Following this interview, we traveled to the east of project NA-0172a and viewed the on-going work. On site today included: 3 scrapers, 2 water trucks, 1 motor-grader, and 2 bulldozers. Water is being obtained from the open pit at project NA-0174 and the dam area. The equipment are working wastepile #4. Work started at this project on Monday. One dozer is pushing waste-pile #1 to the northwest while the other dozer is pushing the scrapers during loading. The selective backfilling technique was described to the reporter as well as NAMLRD's in-house guidelines for classifying the mine waste. Traveled to project NA-0172b, which will be started following site a. The key physical hazards of this open pit, dangerous highwalls, were shown to the reporter and the goals and objectives presented. Continued the site tour by traveling to NA-0175. This large open pit is slated to begin within a couple of weeks. The reclamation alternative was explained. The reporter was wondering about the actual mining years (Continued ---->)

**Follow-up :** A recommendation was made to the reporter that maybe a site tour of the Monument Valley AML area would be beneficial to get a perspective of other types of mining methods that NAMLRD addresses. Talked to Carl about the access control area and he said that he o.k.ed this area, the rad. levels are very low and constant monitoring is being performed. Final verification data for site NA-0179 and -0180 should be completed. BIA has been contacted per the BIA route. Need a copy of Tseyi's water use permit for near the river.

**Contacts :** NAMLRD: Lawrence, Ernest Greyeyes, Guy Horsen, Troy Delmar, and Ben Zahne.  
Tseyi: Jack Boyd. Gallup Independent: Kathy Helms.

**Name :** Melvin H. Yazzie *M.H.Yazzie*      **Title :** Reclamation Specialist III

which were during the 1950's and 60's according to Lawrence. She also questioned who did the mining, but Lawrence did not know and said he would have to look it up. This concluded the site tour with the reporter, traveled back to the access control trailer. Lawrence and the reporter checked out and traveled back to Tuba City AML. I continued my site inspection by traveling to NA-0180 and -0179. NA-0179 has had the final rough contouring performed. All areas look good. The southwest slope has been graded parallel with any surface flow. Ernest and Lawrence need to try and have any rough grading parallel with the contour/perpendicular to any surface flow to help reduce rills. Walked around at project NA-0180 which was completed last Friday. The open pit has been completely backfilled and a very small mound is visible within the pit area. Ernest needs to verify that there is positive drainage overall. A small portion of the western edge of the project boundary was rough graded and stopped. The H.P. group has gridded out the project area and is planning to start final verifications before final rough grading. The BIA road has been re-established. Ernest said that one of the inspectors has been contacted and is planning a site visit, but he wasn't sure when. The project looks good. Traveled back to NA-0172a. The access control trailer is again set backwards. Talked to Guy concerning this set-up and he stated that Lawrence had the final decision on this set-up. I told him that Carl should have made the decision. Guy stated that the H.P. technicians wanted the trailer set-up farther to the east, an area had been designated. I told him that I would talk to Carl concerning this set-up. Within this area, the access control trailer is outside of the equipment yard and the employee travel trailers are within 100 feet of the access control area. The project is within 200 to 300 feet of the control area. Guy stated that air samples and swipes are being conducted within this vicinity. The scrapers cycle times vary from about 3 minutes to 3 min. 30 seconds. Talked to Ernest briefly and told him that NA-0179 and -0180 look o.k. Told him to watch on the final rough contouring, try to make sure that the work is performed parallel to the contours. He said that sometimes it is difficult for the equipment on these slopes. So I told him that all slopes should be less than 3h : 1v, and if needed have the equipment run at an angle. Try to stop any rough grading that is parallel with the surface flow because once the soil gets wet, it forms a crust. Then any rough grading that is parallel with the surface flow will start eroding. Also talked to Ernest about making sure that the highwalls at NA-0172a are backfilled from rim to rim with mine waste. With the volume included within this project, this may not be possible. The contractor was hitting natural ground at wastepile 4. Ernest needs to make sure that the Contractor hauls as much mine waste as possible before reducing the natural material within the highwalls. Also asked Ernest about the survey request on the spillway area from Mr. Misra and he stated that they would be performed this week, Thursday or Friday. While coming back from NA-0180, I noticed a new access road had been built coming off of BIA route 6730, location is between projects NA-0180 and -0172. Talking to Ernest, he stated that Jack Boyd had input this road. Remember that the construction of this water source is at the Contractor's own discretion. This access road heads in a western direction towards the river and is approximately 0.7 miles. There is an estimated 1.0 acre of disturbance on the eastern shore of the river. A pond approximately 150' l x 70' w x 6' deep has been constructed by a dozer. I'm not sure what the contractor is planning.

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 10-01-97

MINE/PROJECT NAME: CP-3, NA-172A/NA-180

DURATION OF VISIT: 0700 - 1620 HRS.

PURPOSE OF VISIT: H.P. MONITORING, RADIONETRICS, VERIFICATIONS

WEATHER - PARTLY CLOUDY, P.M. RAIN.

OBSERVATIONS: 0700 HRS > ARRIVED @ 172A A.C., BEGIN QC. ON ALL INSTRUMENTS W/ GUY HORSEN & BEN ZAHNE.

0720 HRS > WEEKLY SAFETY MEETING W/ JACK BOYD, KEE CHEE, GUY TRUEAX, ALFREDO MARIANO, KEVIN HEALEY, ROSE TSO, LORETTA & STIRLEY WILLIAMS, DEAN CHEE, BEN ZAHNE, GUY HORSEN, ERNIE GREYEYES, MARY CARPENTER.

0735 HRS > SAFETY MEETING ADJOURNED - Topics - SAFETY REMINDERS, TIPS, EXESIVE SPEED on Scrapers, NEW PERSONNEL L. WILLIAMS.

0805 HRS > @ NA-180 W/ BEN ZAHNE, CON'T 25x25 GRID LAYOUT @ EAST END ACROSS 6730 BIA SERVICE ROAD.

1110 HRS > Completed LAYOUT For 180, BEGIN READING @ 1300HRS.

1125 HRS > @ NA-179A EAST HIGHWALL ABOVE PIT, DOWN WIND EAST,

- AM. Air Sample by BEN ZAHNE.

- @ W.P. 1 EAST END, D-9 R #692 AL. MARIANO.

- 4000 GAL. H<sub>2</sub>O TRUCK LORETTA WILLIAMS.

- PIT VACINITY - SCRAPERS #863 & GUY TRUEAX, SCRAPER #860

FOLLOW-UP: ROSE TSO, SCRAPER #858 & PEAN CHEE, GRADER BLADE #602 HENRY SHORTHAIR. @ W.P. 04 WEST END D-9 R KEE CHEE.

1200 > COMPLETED AIR SAMPLE, CPS. HEAD TO A.C. FOR LUNCH

1230 > OPERATION RESUMES @ NA-172A, MELVIN YAZZIE @ YARD

L.C. BEGAY DEPARTS W/ REPORTER, MARY CARPENTER DEPARTS FOR FLAGSTAFF →

CONTACTS: L.C. BEGAY, JACK BOYD, MELVIN YAZZIE, MARY CARPENTER, LAVIN COATS

BEN ZAHNE, GUY HORSEN, ERNEST GREYEYES, KEE CHEE, GUY TRUEAX, AL. MARIANO

LORETTA WILLIAMS, HENRY SHORTHAIR, WAYNE YOVILLA, KEVIN HEALEY, DEAN CHEE.

NAME: T. Delmar

CX

TITLE: EN. Test 01

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1300 HRS > BACK @ NA-180 TO BEGIN DATA COLLECTION FOR FINAL VERIF.

1345 > STORM W/ LIGHTENING APPROACHING FROM SOUTHWEST AREA.

- TURN OFF ESP-1 w/ SPA # 3 & Depart back to 172a.

1400 > P.M. AIR SAMPLE FOR 172a @ SOUTH OF W.P. #4.

- ① ACTUAL CFM = 3.8 ② FLOW RATE @ 107.6 ③ VOL PULSES 377E4

- W.P. #04 > SCRAPER #860 > ROSE TSO #502 BLADE 7 HENDY SHOOTHAIR.

- SCRAPER #868 > DEAN CHEE SCRAPER #863 > GUY TRUEAX

- 2000 GAL. > SHIRLEY WILLIAMS, 4000 GAL. LORETTA WILLIAMS.

- D-9 R 788 > DEAN CHEE

1410 > GUSTY WIND FROM RAIN STORM APPROACHING.

1520 > W.P. 04 - WASTE MATERIAL (WHITE) ALMOST COMPLETELY  
TRANSPORTED INTO PIT.

1600 - SHUTDOWN

1620 - Depart A/C For T/C w/ BEN, GUY, ERNEST G. Cr

\* WORK AREA'S NA-180 BEGAN DATA COLLECTION  
FOR FINAL VERIFICATIONS -

@ NA-172a W.P. 4 TO PIT. UK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 9/30/97  
MINE/PROJECT NAME: CP-3, NA-172 / NA-180  
DURATION OF VISIT: 0700 HRS - 1600 HRS  
PURPOSE OF VISIT: HP MONITOR, RADIOMETRICS, FINAL VERIFICATIONS  
WEATHER - CLEAR / HOT

OBSERVATIONS: 0700 > ARRIVED @ NA-172a ACCESS CONTROL W/ BEN Z. & GUY H., CARL HOLIDAY ARRIVES @ A/C, (TURNED IN WEEKLY REPORTS.)  
0730 HRS > TSEYI OPERATORS ENTERING SITE NA-172a  
SCRAPER/OPS # 858 - DEAN CHEE, # 860 - ROSE TSO, # 863 - GUY TRUEAX  
H2O TRUCKS 4000 GAL - LORETTA WILLIAMS, 2000 GAL - SHIRLEY WILLIAMS.  
D-9 H # 692 > ALFRED MARIANO. SCANNED W.P.I & IMMEDIATE VICINITY.  
READINGS FROM ESP-1 # 794 W/ SPA-3 # 810 AS FOLLOWS = 4.68E3,  
5.38E3, 638E3, 738E3, 821E3, 4.30E3, 429E3, 5.38E3, 1.04E4.  
0830 > ARRIVED @ NA-180 W/ BEN ZAHNE & CON'T GRID LAYOUT.  
1030 > DEPART NA-180 FOR 172a FOR AM AIR SAMPLING.  
1040 > BACK @ NA-172a EAST HIGHWALL, (DOWNWIND EASTERLY)  
1115 HRS > END AM AIR SAMPLE, HALTED SCRAPERS # 858, 863 FOR  
EXESIVE SPEED OUT OF PIT VICINITY. (GUY TRUEAX & DEANCHEE)  
- DUST RISING FROM PIT AREA & ADVISED TO WAIT FOR WATER TRUCKS)  
1130 HRS > RESUME Operation AFTER H2O TRUCKS DAMPEN PIT AREA.  
1145 Hrs > BACK @ NA-180 W/ BEN Z. CON'T GRIDDING.

FOLLOW-UP: 1200 > BEGAN ON 2nd HALF OF NA-180 W/ 200' X 200' SHOTS  
1330 > COMPLETED 2nd HALF OF NA-180 (200K 200 SHOTS).  
- BEGAN TAPELING FOR 25' X 25' GRID LAYOUT. →  
1500 > DEPART NA-180, BACK TO 172a ACCESS CONTROL.  
1520 > P.M. AIR SAMPLING & DOSE RATES @ N/E HIGHWALL TOP P.T.  
CONTACTS: JACK BOYD, ERNEST GREYCLOUD, BEN ZAHNE, GUY HORSEN, HENRY SHORTHAIR, LORETTA WILLIAMS, KEE CHEE.

NAME: T. Delmar

TITLE: EN. TECH I

CP-3, NA-172

(1500) Changed TLD

1523 > D9 H 692 pit > Kee Chee

-Dose rates & WP. 4, 180 → 200 (GRAY/Hr)

1545 > Completed Air Sample / Dose rates

1600 > SHUT-DOWN, Personnel back @ 41c.

-Guy, Ben Frisnouts.

1610 > Report Site for T.C.

\* Still gridding 180.

1706 > Arrived back @ EAML.

\* 9/30/97

B/S ~~HRR~~ HRRZ. Vew

600 NDM 240000 200 -4.84

400 -16.25

600 2.13

200x600 632.95 -10.38 71°33'54"

200x400 447.21 -15.11 63°26'58"

200x200 282.84 -2.84 45°

400x200 447.21 -3.36 26°33'54"

400x400 565.68 -1.61 45°

400 400 0 0

400x600 721.11 56°18'35"

OK

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 09/29/97MINE/PROJECT NAME: Cp-3, NA-180 / NA-172aDURATION OF VISIT: 0700 HRS.- 1610 HRS.PURPOSE OF VISIT: H.P. MONITORING, RADIONETRICS, VERIFICATIONS

WEATHER &gt; CLEAR, HOT - LIGHT BREEZE EASTERLY.

OBSERVATIONS: 0700 HRS. > ARRIVED @ NA-172a MAIN EQUIPMENT YARD W/- BEN ZAHNE, TECH. II. TSEYI PERSONNEL @ YARD (SLEEPING QUARTERS) - HENRY SHORTHAIR, GUY TRUEAX, WAYNE YOWELLA, KEE, DEAN CHEE.

0720 > SHORT BRIEFING W/ JACK BOYD, ERNEST GREYEYES, BEN ZAHNE - PERTAINING TO ACCESS TRAILOR SET-UP, ETC. TRAILOR STILL @ NA-180 SITE. SCANNED AREA OF LOCATION W/ MODEL 19, W/ GUY HORSEN, BEN Z., ERNEST G. (LOCATION @ 100' NORTH OF SPILLWAY)

0730 HRS > D-9 #788 (op. D.CHEE) GRADER BLADE #602 OP. HENRY SHORTHAIR BEGIN LEVELING & CLEANING OUT AREA MARKED OFF.  
(ADVISED GUY HORSEN TO MONITOR A.C. TRAILOR SET-UP.)

0800 > ARRIVED @ NA-180 @ WEST END OF SITE (5/8" REBAR)  
SET-UP TRANSIT SURVEY INST. & BEGAN SHOT-INS FOR 200'x200' GRID LAYOUT W/ BEN ZAHNE. (BASELINE RUNNING FROM SOUTH TO NORTH.)

0820 > L.C. BEGAY ARRIVES ON SITE ... ADVISES HE RELOCATED A.C. TRAILOR BACK TO MAIN EQUIPMENT YARD. (?)

1030 > COMPLETED 200'x200' SHOTS FROM WEST CORNER SECTION REBAR. (5/8")

~~POLAROID~~: 1100 > HALTED GRIDDING, MOTOR GRADER #502 DOING FINAL RIPPING @ WEST END OF 180 (op. HENRY SHORTHAIR). CARL HOLIDAY H.P. ARRIVES ON SITE, DEB MISRA ALSO ON SERVICE ROAD.

1140 > ARRIVED @ EAST END HIGHWALL OF NA-172A W/ BEN ZAHNE @ NORTHEND HIGHWALL ABOVE MAIN PIT, L.C. BEGAY, E. GREYEYES, C. HOLIDAY.

CONTACTS: CARL HOLIDAY H.P., L.C. BEGAY, DEB MISRA, BEN ZAHNE, GUY HORSEN, KEE CHEE, GUY TRUEAX, HENRY SHORTHAIR, MARY CARPENTER, CARROLL ORELL, LARRY COATS (PELEO PERSONNEL NAV. MUSEUM.) SHIRLEY WILLIAM NEW TSEYI EMPLOYEE.

NAME: T. DeMar

Cx

TITLE: En. Tech. #81

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

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1200 > @ ACCESS CONTROL, LUNCH FOR ALL PERSONNEL.

1230 > TSEYI PERSONNEL HEAD BACK TO SITE @ NA-172a.

1243 > SCRAPER 863 (Op. GUY TRUEAX) #858 (Op. Rose Tso)

- D-9 R#788 (Op. KEE CHEE) GRADER BLADE #502 (Op. HENRY SHORTHAIR)

1250 > BACK @ NA-180, CON'T 25'x25' Grid Layout w/ 200' TAPE.

1500 > DEPART 180 For 172a For PM AIR SAMPLING.

1515 > @ NA-172a EAST HIGHWALL, BEN ZAHNE DOING AIR SAMPLE.

- COLLECTED DOSE RATES FOR W-P. 1 PIT VACUUM.

SCRAPER #863 > GUY TRUEAX, D-9 R#692 > DEAN CHEE, SCRAPER #860 -  
ROSE TSO, GRADER BLADE #502 > HENRY SHORTHAIR.

1550 > BEN Z. COMPLETES PM AIR SAMPLE, COLLECTED DOSE RATES.

1600 > ALL PERSONNEL BACK @ A/C & DESIGNATED PARKING AREA'S.

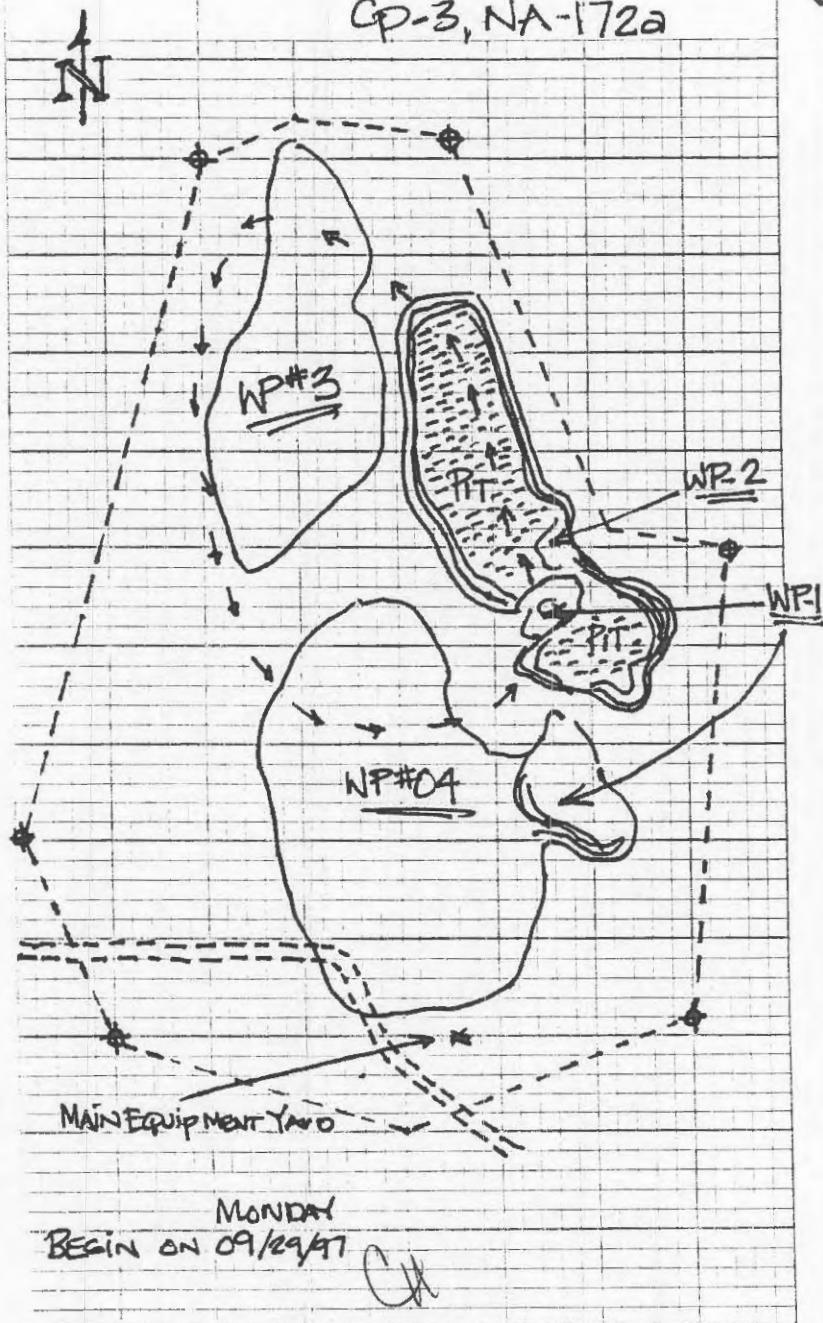
1620 > CLOSED UP & DEPART FOR T.C. AML w/ BEN ZAHNE. C/N

\* WORK AREAS TODAY @ NA-172a, WASTE FILE #1

NA-180 - LAYOUT FOR FINAL VERIFICATIONS.

C/N

CP-3, NA-172a



MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 03/26/07

MINE/PROJECT NAME: Cp-3, NA-180

DURATION OF VISIT: 0715 HRS -

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS

WEATHER > OVERCAST, WINDY, SOUTHERN TO N/EASTERLY.

OBSERVATIONS: 0715 HRS > ARRIVED @ Cp-3, NA-180 ACCESS CONTROL -  
w/BEN ZAHNE (TECH II). TSSEGI PERSONNEL @ EQUIPMENT YARD.

- LC BEGAY CONVERSING w/JACK BOYD, OPERATORS INSPECTING
- OTHER MACHINERY, GUY TRUEAX #863, HENRY SHORTHAIR, DEAN CREE, ROSE TSO, KEE CHEE, WAYNE YOVELLA

(TH) 0725 HRS > OPERATORS HEAD TO SITE @ W.P.#06, D-9 R78 TO PIT  
#858, 860, 863 SCRAPERS BEGIN PUSING W.P. #06.

0820 > ON SITE w/BEN Z. @ NORTHERN W.P. #06 FOR AIR SAMPLE.  
#858 > DEAN CREE #860 > ROSE TSO #863 > GUY TRUEAX  
- 2000 Gal. H2O TRUCK - AL. MARIANO 4000 > LOVETTA WILLIAMS.

0815 > AM AIR SAMPLE @ 50' NORTH OF W.P. #06.

0827 > 4000 Gal. H2O TRUCK RETURN FROM H2O RUN. (#143)

\* 0900 HRS (SCRAPER #863 HALTED (ANTI-FREEZE LEAKAGE))

- MECHANICS KEVIN HEALEY & OP. GUY TRUEAX CHECKING PROBLEM

0910 > VERIFICATIONS @ W.P. #06 w/BEN Z. READINGS @ 2.38E3, 3.02E3  
3.10E3, 2.89E3, 3.00E3, 2.89E3, 3.38E3, 3.15E3

FOLLOW UP: 0930 > FOUND AREA ABOUT 15' X 20' ELEVATED @ 4.10E4  
4.80E4, 4.50E4, 4.10E4. (By BEN Z.) DIRECTED SCRAPERS 860/63/58  
TO AREA w/ COVER MATERIAL. 3 RUNS EACH BY SCRAPERS -

COVER MATERIAL ABOUT 1.5 FT. (READINGS @ 2.89E3, 3.03E3, 2.90E3)

10:20 HRS > COMPLETED COVER @ ELEVATED AREA'S. →

CONTACTS: L.C. BEGAY, GUY TRUEAX, ROSE TSO, ERNIE GREYECES, GUY HORSEN  
BEN ZAHNE, HENRY SHORTHAIR, KEVIN HEALEY, KEE CHEE, ALFRED MARIANO  
LOVETTA WILLIAMS, JACK BOYD, WAYNE YOVELLA.

NAME: T. Relman UK

TITLE: En Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

ge : 2 of 2  
te : 9/26/97

1030 Hrs > ERNEST GREY EYES ARRIVES ON SITE @ WEST CORNER  
- W/ L.C. BEGAY.

1130 > BACK @ ACCESS CONTROL, CATCH UP ON WEEKLY REPORTS.

1200 > TSEYI / AML PERSONNEL BACK @ A/C FOR LUNCH -

- ASSIST GUY H. ON UNRESTRICTED RELEASES & FRISKOUTS.

1234 > OPERATORS HEAD BACK TO W.P. #06 FOR FINAL STAGES  
OF WP. #06 REMOVAL TO PIT. (FORMER PIT VARIETY)

- L.C. BEGAY DEPARTS BACK TO F AML OFFICE.

1250 > @ NA-0178 a w/ BEN ZAHNE, BEGAN LOCATING  
CORNER REBARS, SCANNED AREA, PREPARE FOR MONDAY.

1500 > Completed Locating rebars, RAD. MAPS, etc.

1510 > BACK @ NA-180, WASTE PILE 6 COMPLETED.

- Scrapers back @ A/C, DESIGNATED PARKING AREA.

- GUY HORSEN DOING UNRESTRICTED RELEASES, BEN Z. ASSISTING.

- D-9 788 ALONG 6730 ROAD w/ 502# GRADER BLADE / 858 SCRAPER -

- OP. DEAN CHEE FINAL TOUCH-UP ON ROAD

- 400 Coal. H2O TRUCK ON SERVICE ROAD w/ 502 BLADE. (OP. LORETTA W.)

1530 > MECHANICS MOVING EQUIPMENT BACK TO MAIN EQUIPMENT YARD.

- BEGAN FRISKOUTS ON ALL PERSONNEL, BOXED UP ALL INSTRUMENTS  
IN A/C TRAILER, ALSO TO BE TRANSFERRED TO MAIN YARD

1600 > Depart Site w/ Guy Horsen & Ben Zahne for F.

- Ernest Greycyes ALSO Departs for F. CK

\* Completed w/ NA-180, BEGIN FINAL VERIFICATIONS DATA on Monday

09/29/97

CK

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THURSDAY 09/25/97

MINE/PROJECT NAME: Cp-3, NA-180

DURATION OF VISIT: 0700 Hrs - 1620 Hrs

PURPOSE OF VISIT: H.P. MONITORING, RADIOMETRICS, VERIFICATIONS

Weather > Overcast (WIND from the South)

Tropical Storm Moving in... today

OBSERVATIONS: 0700 Hrs > Arrived @ A/C, NA-180 w/ BEN ZAHNE.

- ERNEST GREY EYES ARRIVED w/ GUY THREAX, BEGIN QL ON ALL
- INSTRUMENTS @ A/C. TSEYI PERSONNEL @ A/C YARD > JACK BOYD
- HENRY SHORTHAIR, KEE CHEE -

0726 > MACHINERY DEPARTING FOR SITE 180 W.P. #06.

Scraper #858 - Henry Shorthair, 863 - Guy Threax, D-9 R788 - Keechee

2000 Gal H2O truck > AL. MARIANO 4000 GAL > Loretta Williams

Don't pushing W.P. 6, About HALFWAY ON W.P.

\* No Shows TODAY - DEAN CHEE & WAYNE YONVELLA.

Graeder BLADE #502 - Idle Scraper #860 > Idle for now.

@ MAIN EQUIPMENT YD D-9 H. 692 > Returned from Repairs

Scraper #864 > New Arrival.

1000 > Verified W.P. 6 - readings @ 3.89E3, 3.60E3, 3.29E3

3.80E3 3.12E3 3.01E3 2.89E3.

1200 > LUNCH TIME All personnel @ A/C.

1230 > ALL OPS. HEAD BACK TO SITE @ W.P. #06.

FOLLOW UP: 1400 HRS > 3 SCRAPERS RUNNING @ W.P. 6 TO P.T.

New Operator for TSEYI CORP - Rose TSO Operator to Scraper #860.

1500 > P.M. AIR SAMPLE @ 75' NORTH OFF W.P. 6 DOWN WIND(N)

1535 > Completed Sample. Results → Flow rate = 107.6 Actual CFM = 3.8.

Volume Pulled = 3.77 e6. →

CONTACTS: JACK BOYD, KEVIN HEALEY, ERNEST GREY EYES, BEN ZAHNE, GUY H.

GUY THREAX, HENRY SHORTHAIR, LORETTA WILLIAMS, ALFRED MARIANO.

KEE CHEE, WAYNE YONVELLA.

CK

NAME: Ti Relmar

TITLE: En Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

ge : 2 of 2  
te : 9/25/97

1540 > Back @ A/C, Catch Up on WEEKLY Reports.

- BEN Z. ASSISTING ANY HORSEN W/ UNRESTRICTED RELEASES ON
- ALL DEPARTING UNITS, FRISKOUTS, ETC.

1600 > All MACHINERY @ A/C, Designated PARKING AREA -

- SHUT-DOWN FOR THE DAY -
- ASSIST IN FRISKOUTS

1620 > Depart A/C For F w/ BEN.

CX

\* Work Area - Mainly on W.P. #06

- 3 SCRAPER FINALLY UP IN OPERATION AS OF 1400 hrs
- NEW EDITIN FOR TSEYI CORP PERSONNEL.

Rose TSO Operator to Scraper #60 TLD # 6769EOZGZ

CX

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: CP-3, NA-180

MINE/PROJECT NAME: Wed. 9/24/97

DURATION OF VISIT: 0700 hrs - 1630 hrs.

PURPOSE OF VISIT: H.P. Monitor, Radiometrics, Verifications.

Weather - Clear, Hot, Slight Breeze Easterly

OBSERVATIONS: 0700 hrs > Arrived @ NA-180 A.C. w/ BEN ZAHNE &  
GUY HORSEN, BEGIN QC. ON ALL INSTRUMENTS, ERNEST G. ARRIVES @ A/C  
0715 hrs > WEEKLY SAFETY MEETING ALL PERSONNEL w/ JACK BOYD  
- ERNEST GREYEYES, KEVIN HEALEY, HENRY SHORTHAIR, GUY TRUEAX, GUY  
- HORSEN, BEN ZAHNE, KEE, DEAN CHEE, WAYNE YOUNELLA, Loretta Williams.  
Topic - REMINDERS OF SAFETY PROCEDURES, ROAD CONDITIONS 0730.  
0735 > MEETING Adjourned, Ops. Head to NA-180 W.P. #06.  
- BEGAN PREPARING SWIPES FOR WEEKLY SURVEY ON ALL TSELI  
EQUIPMENTS, MACHINERY, TRAILORS, OFFICES.  
0900 > Report A/C for Site @ Northend of W.P. #06  
- D-9 R 788 (Op. KeeChee) Scraper 863 (Op. Guy Trueax)  
- Grader Blade #502 > Henry Shorthair H20 K-40 > Loretta Williams.  
0930 > BEGIN WEEKLY SWIPES w/ BEN Z. GUY & ASSIGNED TO A.C.  
@ MAIN EQUIPMENT YARD > MECHANICS KEVIN HEALY, WAYNE Y.  
SERVICING SCRAPER #860.

1030 hrs > 2000 Gal. H<sub>2</sub>O Truck Departs A/C for H<sub>2</sub>O RUN. (Loretta Williams)

FOLLOW-UP: - 4000 Gal. Unrestricted release @ A/C. (Op Wayne Younella)  
1043 hrs > Scraper #860 being refueled by Mechanics (WAYNE Y.)  
1100 > Scraper 860 Enters Site NA-180 W.P. #6 (Op A.L. MARLANO)  
1200 > Lunch @ A/C All personnel.

1230 > ALL Operators return to Site @ W.P. #06. →

CONTACTS: JACK BOYD, E. GREYEYES, B. ZAHNE, G. HORSEN, G. TRUEAX  
H. SHORTHAIR, WAYNE Y., DEAN & KEE CHEE.

NAME: T. Rehm 

TITLE: En Tech I.

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

ge : 2 of 2  
te : 9/24/97

1300 Hrs > @ W.P. 6 SOUTHWEST END - BEGIN PM Air Sample w/BEN.

- ACTUAL CFM = 3.8 Flow RAK = 107.6 VOLUME PULLED = 3.77 E6

- D-9 788 C South W.P. 6 PUSHING Scraper 860 (Op. A. Mariano.)

- #863 > Guy Truax #858 > Dan Chee.

1400 Completed PM Air Sample C South end W.P. 6.

1500 > WIND PICKING UP FROM SOUTH, W.P. #6 WEST STRIP EXTENSION

- Completed & transported to Pit vicinity. (#502 blade blading Area)

1530 > Unrestricted RELEASES ON Scraper 860, Water Trucks & D-9 788, requested by Kee Chee (foreman) They'll be working over-time this P.M. @ River Bank to form Dam.

1600 - Completed SW. PES / Releases / FRISKETS, etc.

1615 - Report Site w/ BEN Z. Ernie G. Report w/ Guy Hansen.

CK

\* Area of work today @ W.P. #06

\* Former W.D. 1, 3, 2 (Final Verifications)

CH

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 09/23/07  
MINE/PROJECT NAME: Cp-3, NA-180  
DURATION OF VISIT: 0700 Hrs - 1620 Hrs.  
PURPOSE OF VISIT: H.P. MONITORING, RADIO METRICS, VERIFICATIONS  
\* WEATHER - CLEAR, HOT, BREEZY EASTERLY.

OBSERVATIONS: 0700 Hrs > ARRIVED @ ACCESS CONTROL w/ BEN ZAHNE  
& GUY HORSEN, BEGIN Q.C. ON ALL INSTRUMENTS. (ESP-1<sup>s</sup> w/ SPA-3<sup>s</sup>)  
- HENRY SHORTHAIR & WAYNE YOUNELLA, TSEYI PERSONNEL @ YARD..  
0720 > ON SITE @ NA-180 - FORMER W.P. #01 & FORMER W.P. 3  
- BEGAN VERIFYING AREA, LATE STAGES OF REMOVAL OF WASTE-  
- MATERIAL. (LOCATED SOME ELEVATED STREAMS ALONG 6730  
BIA SERVICE ROAD, REFER TO MAP OF NA-180)... SOME READINGS  
AS FOLLOW - 4.80E4, 4.10E4, 405E4, 380E4, 2.01E4, 205E4, 2.05E4.  
0730 Hrs > OPERATORS BEGIN ON SITE @ W.P. 2 & VICINITY.  
0748 > VERIFICATIONS @ W.P. 6 @ 2.46E3, 3.06E3, 2.70E3  
- 3.03E3, 2.80E3, 2.76E3, 4.06E3, 2.10E3, 2.70E3, 2.90E3, 2.05E3  
0830 > SCRAPER #863 BACK FROM REPAIRS, ON SITE - (Op. Guy Trufax)  
- SCRAPER #858 > DEAN CHEE, GRADER BLADE #502 > Henry Shorthair.  
0930 Hrs > SCRAPER #860 DEPARTS A/C FOR MAIN YARD, SERVICING BY  
MECHANICS KEVIN HEALEY & WAYNE YOUNELLA. 4000 GAL. H2O TRUCK  
OP. ALFRED MARIANO, 2000 GAL. H2O > Loretta Williams

FOLLOW UP: @ W.P. #2 BEN Z. SCANNING AREA ACROSS ROAD 6730.  
- Loretta Williams H2O truck RETURNS FROM WATER RUN.

1600 Hrs > BEGAN VERIFYING @ FORMER W.P. 3, ALONG 6730 SERVICE  
- ROAD, HIT SOME ELEVATED STREAMS, READINGS @ 2.50E5, 2.60E5  
- 4.60E4, 2.39E5, 201E5, 410E4, 860E4, 980E4, 105E5, 368E4

CONTACTS: JACK BOYD, GUY TRUFAX, HENRY SHORTHAIR, KEE CHEE, DEAN CHEE  
WAYNE YOUNELLA, KEVIN HEALEY, ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN,  
Loretta Williams.

NAME: T. Relmer

TITLE: Tech #01.

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Date : 2 OF 2

1210 Hrs > Scrapers Completed w/ removal of elevated material

@ Former W.P. #03 to W.P. #1 along 6730 Service Road.

1215 → 1245 > LUNCH ALL personnel. \* W.P. #3 - REAPINGS Dropped to  $4.30 \text{E}^3, 9.60 \text{E}^3, 3.80 \text{E}^3, 2.70 \text{E}^3, 3.60 \text{E}^3, 3.80 \text{E}^3, 2.80 \text{E}^3, 3.80 \text{E}^3, 2.80 \text{E}^3$ .

1300 Hrs > Scrapers #863 & #858 MOVED to W.P. #06 begin pushing MATERIAL INTO PIT VACUUM. D-9#788 > still @ W.P. 1 & 3.

1330 > BEGIN RE-MARKING REBARS @ Corner points for NA-180.

- BEN Z. Completes Verifying W.P. #06 AGAIN, Advises readings @  $-3.00 \text{E}^3, 3.60 \text{E}^3, 3.10 \text{E}^3, 3.40 \text{E}^3, 3.80 \text{E}^3$ .

1400 > Collect Dose rates @ Former W.P. 2 / Pit Area's.

1410 > P/M Air Sample @ 50' North of W.P. #06 (D-9#788 in Area)

- 35 MINUTE RUN ① Actual CFM = 3.8, ② Flow rate = 107.6 ③ VOL Pulled  $3.77 \text{E}^6$

1500 > SCANNED W.P. #06 @  $3.02 \text{E}^3, 3.15 \text{E}^3, 2.80 \text{E}^3, 3.67 \text{E}^3, 3.50 \text{E}^3$   
 $3.02 \text{E}^3, 3.15 \text{E}^3, 3.50 \text{E}^3, 3.80 \text{E}^3, 2.80 \text{E}^3, 3.80 \text{E}^3, 3.02 \text{E}^3$ .

1530 > Dose rates @ W.P. #06

1600 > All operators back @ A/C Yard. Assist w/ Swipes, Finscouts.

1620 > Report NA-180 FOR F-AML w/ BEN Zehne.

- Ernie G departs w/ Guy Horser. CX

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 09-22-97

MINE/PROJECT NAME: CP-3, NA-180

DURATION OF VISIT: 0700 HRS - 1620 HRS.

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS (FINAL)

WEATHER → CLEAR, Slight Breeze Easterly.

OBSERVATIONS: 0700 HRS &gt; ARRIVED @ CP-3, NA-180 ACCESS CONTROL W/BENZ.

- BEGIN Q.C. ON ALL INSTRUMENTS W/GUY HORSEN &amp; BEN ZAHNE.

- PERSONNEL @ A.C. YARD &gt; HENRY SHORTHAIR, GUY TRUEAX, JACK BOYD, LORETTA

WILLIAMS, DEAN &amp; KEE CHEE.

0740 &gt; ON SITE @ EAST OF W.P. II, SCRAPERS #860 GUY TRUEAX.

- #858 - DEAN CHEE, GRADER BLADE #502 - HENRY SHORTHAIR.

0830 &gt; L.C. BEGAY ARRIVES @ A/C. → 0840 &gt; departs back to E.

0900 HRS &gt; 2000 GAL. H2O TRUCK RETURN TO SITE.

1000 &gt; D-9 788 @ W.P. #06 PIONEERING FOR ACCESS ROUTES.

- ERNEST GREYEYES departs for MAIN EQUIPMENT YARD.

1100 &gt; SCANNED W.P. II, BOTH SCRAPPERS STILL PUSHING W.P. 2.

- 380E<sup>2</sup>, 280E<sup>3</sup>, 401E<sup>3</sup>, 380E<sup>5</sup>, 4.01E<sup>3</sup>, 2.80E<sup>3</sup>, 4.60E<sup>2</sup>, 6.38E<sup>5</sup>, 560E<sup>2</sup>.

1200 &gt; LUNCH FOR ALL PERSONNEL @ A/C.

1226 &gt; TSERI OPS. DEPART FOR SITE NA-180 W.P. 2.

1320 &gt; ON SITE @ W.P. 2 FOR P/M AIR SAMPLE

1400 &gt; COMPLETED 35 MINUTE SAMPLE, ACTUAL CFM = 3.8 FLOW RATE 107.6

FOLLOW-UP: VOLUME PULLED = 3.77E6.

1500 &gt; D-9 788 STILL @ W.P. 2 PUSHING SCRAPPERS #860 &amp; #858.

1600 &gt; @ ACCESS CONTROL TO ASSIST IN UNRESTRICTED RELEASES, FRISKATE.

1620 &gt; COMPLETED CHORES, SHUT-DOWN FOR MONDAY.

1626 &gt; REPORT NA-180 CP-3 FR.

CONTACTS: L.C. BEGAY, ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN, GUY TRUEAX

DEAN CHEE, KEE CHEE, LORETTA WILLIAMS, HENRY SHORTHAIR, KEVIN HEALEY

WAYNE YONELLA (MECHANICS)

NAME: T. Relman

CR

TITLE: En. Tech I

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: FRIDAY 09/19/97

MINE/PROJECT NAME: Cp-3, NA-180

DURATION OF VISIT: 0720 HRS - 1630 HRS

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS, ETC.

WEATHER > CLEAR, PART CLOUDY, WINDY → EASTERLY.

NOTE: Route 6730 BIA Service Road WASHOUT AGAIN...

OBSERVATIONS: 0720 HRS. > ARRIVED @ Cp-3, NA-180 W/ BEN ZAHNE.

- TSEYI CORP. PERSONNEL DEPARTING FOR SITE 180 W.P. #2.

- NA-179 REMEDIATED, FINAL RIPPING BY #502 BLADE YESTERDAY...

0800 HRS. > ON SITE @ N/E END, W.P. II > #502 BLADE - OP. H.SHORT-

- HAIR, #8701 H2O TRUCK - AL MARIANO, #788 D9 PIT - KEE CHEE

- W.P. 2 > #860 SCRAPER GUY TRWEAX, #858 > DEAN CHEE

0805 > A.M. AIR SAMPLE ON W.P. 2 (35 MINUTE RUN)

END @ 0840 HRS ACTUAL CFM 3.8 FLOW RATE = 107.6 VOL. PULLED = 3.77 E6

0840 > COMPLETED AM AIR SAMPLE., BEN Z. ON SITE COLLECTING

- DOSE RATES @ W.P. II / MAIN PIT, FORMER W.P. 3.

- L.C. BEGAY & ERNEST GREYEYES WORKING ON SLOPE VOLUMES @ A.C.

0845 > @ EAST SIDE OF W.P. 2, ALONG DETOUR ROUTE W/ BEN.

- #860 & 858 CONT PUSHING W.P. 2, 4000 GAL. #143 H2O TRUCK

- FROM W.P. 2 TO PIT VICINITY - OP. LORETTA WILLIAMS.

- 2000 GAL. departs for ANOTHER WATER RUN.

1000 > D-9 #788 (OP. KEE CHEE) BEGIN SMOOTHING PIT HIGHWALL EDGES.

FOLLOW-UP: 1100 HRS > D9 #788 MOVED TO WP. 2 EAST END CORNER.

SCRAPERS STILL PUSHING WP. 2.

1130 HRS > VERIFICATIONS @ WP. 2, EAST END, MID SECTION > 4.30 E3, 6.38 E3

- 4.38 E3, 3.88 E3, 5.60 E2, 6.30 E3, 4.30 E3.

1200 > LUNCH @ A/C, ALL PERSONNEL.

CONTACTS: L.C. BEGAY, JACK BOYD, ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN, KEE CHEE  
GUY TRWEAX, WAYNE YOUNELL, DEAN CHEE.

NAME: T. Delmar

Ch

TITLE: En. Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

age : 2 of 2  
ate : 9/23/97

- 1230hrs > BEVi / AML PERSONNEL Head back to site @ W.P. 2.
- 1400 > P. M. Air Sample by BEN Z. @ EAST END of W.P. 2 (Downwind East)
- 1510 > 4000 Gal. K400 #143 back @ A/C for UNrestricted release.
- 1525 > 2000 Gal. TRUCK (Op. Al. Mariano) back @ A/C.
- 1530 > EQUIPMENT / Machinery Head to A/C, Shut down for the weekend.  
- Assist in FRISKOUTS, SWIPES for releases.
- 1540 > Report A/C NA-180 for F w/ BEN.
- Ernest & A. depart w/ Guy Hansen.

CJK

## MINE SITE VISIT REPORT

NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: THUR. 09-18-97

MINE/PROJECT NAME: Cp-3, NA-0180

DURATION OF VISIT: 0720 HRS - 1620 HRS.

PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS

Weather - Partly Cloudy - WINDY. WEST TO Easterly

OBSERVATIONS: 0720 &gt; ARRIVED @ ACCESS CONTROL, NA-180 W/BENZ, GUY H.

TSEYI OPERATORS DEPART FOR SITE, CONT W.P. 2, D-9 788 &gt; KEE CHEE.

- Grader Blade #502 to CONT RIP-UP OF NA-0179 @ WEST OF NA-180

- Scraper #858 back on site Op. DEAN CHEE (Repaired Gear)

-(1) Mechanic Arriving today. (Ernest G departs for site 79/80)

- BENZ/GUY H. @ A.C. DOING QC. ON ALL INSTRUMENTS.

0800 &gt; C W.P. 2 - Scrapers #860/863, GRADER BLADE 502

0817 &gt; 2000 GALLON DEPARTING ACCESS, Op. AL MARIANO.

0820 &gt; Scraper 858 DEAN CHEE / 860 GUY TRUExX, D-9 #788 parked @ A/C.

(4) - 4000 GAL. H2O TRUCK &gt; parked (5) #426 BACK HOE parked.

TEEYI CORP. ALSO WORKING ON SPILLWAY @ NA-175 North. (KeeChee)

0850 &gt; KEVIN HEALEY @ A.C. WEST, INSPECTING SCRAPER #858.

(1) Scraper #860 MAKING ROUNDS FROM W.P. 2 TO PIT VICINITY.

- 2000 Gal. H2O truck right behind Scraper.

0900 &gt; D-9 788 ON SITE @ W.P. 2 PUSHING SCRAPER 860.

1005 &gt; BEGIN AM AIR SAMPLE (35 MIN) @ 75' NORTH OF W.P. 2.

FOLLOW-UP: 1040 > END AIR SAMPLE, ACTUAL CFM @ ~~1000~~<sup>(TP)</sup> 3.8 FLOW RATE = 107.6

- VOLUME PULLED = 3.77E6. Grader Blade #502 @ NA-179 Final Ripping

1120 &gt; @ EASTEND OF W.P. 2, BEGIN VERIFICATIONS ON W.P. 2.

- 8.36E3, 7.94E3, 4.60E3, 7.96E3, 3.03E3, 104E4, 107E4, 9.60E3,

1151 &gt; Scraper #858 departs for MAIN EQUIPMENT, Mech. WILL NAPIER. →

CONTACTS: KEE CHEE, L.C. BEGAY, JACK BOYD, ERNEST GRENEYES, BEN ZEHNE.

GUY HORSEN, AL. MARIANO, HENRY SHORTHAIR, W.L. NAPIER (TEREX MECHANIC)

GUY TRUExX, WAYNE YOUNELA.

NAME: T. Dolmar

TITLE: En. Tech. I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 09/18/07

1200 Hrs > ~~BACK ON SITE~~ <sup>(To)</sup> LUNCH — ALL PERSONNEL.

1230 > Ops / AML personnel head back on site NA-180 W.P. 2.

1300 > back on site @ South End, Above Main Pit, WIND PICKING  
— UP w/ More Clouds Moving in From the West.

1345 > SCRAPER ~~858~~ <sup>(12) #858</sup> BACK ON SITE @ W.P. II, Do 788

— BACKHOE #426 / GRADER BLADE #502 Heads North on BIA Service

— ROAD Rout 6730, to work on WASHED OUT AREA'S. (HEAVY RAINS)

1420 > 4000 Gal. Enter Site > Op. Al Mariano

— WIL NAPIER - Mech. for Terex. at Show Low, Test running #863 by  
— Hauling W.P. II to Pit.

1450 > P.M. Air Sample @ 50' N/W of W.P. II - ACTUAL CFM = 3.8, Flowrate = 107.6

- V.P. = 377 E4 1535 Hrs > Completed P.M. Air Sample.

1545 > BACK @ A.C. - ASSIST GUY H. w/ SWIPES, FRISKOUTS, UNRESTRICTED -  
- RELEASES. (863 still down - WAITING FOR PARTS FROM FLAGSTAFF.)

1600 > BACKHOE #426 returns from Red tail wash. (K.C. ADVISED #502 Headed in)  
— SHUT DOWN for the Day, All Machinery head to Designated PARKING.

1630 > Completed w/ SWIPES / FRISKOUTS Report Site for AML.

CX

\* AREA'S OF WORK > CONT ON W.P. 2

\* 6730 BIA Road

863 Scraper Still down, Tranny, Waiting for parts.

858 - Gear won't Shift up to 3rd Gear, MECHANIC

WIL NAPIER for Terex, Show Low, AZ. Test ran from 1400 to

1600 hrs.

CH

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: WED. 09/17/07  
MINE/PROJECT NAME: Cp-3, NA-0180  
DURATION OF VISIT: 0700 - 1630  
PURPOSE OF VISIT: H.P. Monitor, Radiometrics, Verifications.  
Weather > Partly Cloudy - WINDY EASTERLY

OBSERVATIONS: 0700 Hrs > Arrived @ NA-180 w/ Ben Zahne & Guy Horsen.

0710 > \*SAFETY WEEKLY MEETING w/ ALL PERSONNEL (JSEvi Corp- AML STAFF)

\* JACK BOYD, AL MARIANO, HENRY SHORTHAIR, WAYNE YOUNELLA, KEVIN HEALY, KEE CHEE  
- LORETTA WILLIAMS, ERNIE GREYEYES, GUY HORSEN, GUY TRUEAX.

- Topic > SAFETY REMINDERS, RESPIRATORS, OSM INSPECTION RESULT, Feed
- back still pending. EYE CONTACT w/ EACH OTHER WHILE WORK IS IN PROGRESS.
- WINDOW CLEANER SOLUTIONS TO MACHINERY.

0730 HRS > MEETING ADJOURNED, Ops. Depart for Site.

- CATCH-UP ON REPORTS @ A.C., TO BE TURNED-IN TODAY TO MR. C. HOLIDAY.

- CARL HOLIDAY H.P. ARRIVES @ A.C. (PICKUP TRUCK)

1040 > ON SITE @ EAST W.P. 2, LORETTA WILLIAMS & KEE CHEE LOADING

- ROCKS INTO #426 BACKHOE BUCKET, TO BE TRANSFERRED TO SPILLWAY @ NORTH

- OF NA-0175. ERNEST GREYEYES & CARL HOLIDAY @ SOUTH END OF MAIN PT.

- @ W.P. #2 #502 > OP. HENRY SHORTHAIR. D-9G #788 > DEAN CHEE SCRAPER 858C AC (DOWN)

- SCRAPER #860 > GUY TRUEAX FROM W.P. II TO PIT VACUITY.

1100 HRS > SCRAPER #858 - GEAR WON'T SHIFT UP TO 3RD GEAR. KEVIN HEALEY -

FOLLOW UP: MECH. ENROUTE TO FLAGSTAFF FOR PARTS.

1130 > D-9G #788 OP. DEAN C. PUSHING SCRAPER 860 > OP. GUY T. @ W.P. 2 N/W END

1156 > ALL MACHINERY HEADED TO DESIGNATED PARKING AREA.

1200 > LUNCH FOR ALL PERSONNEL @ A/C. 1230 HRS > OPS. BACK ON SITE.

1240 > DEPART A.C. FOR MAIN EQUIPMENT YD. W/ BEN Z. FOR WEEKLY SWIPES.

CONTACTS: CARL HOLIDAY H.P. S/R, ERNEST GREYEYES, BEN ZAHNE, GUY HORSEN

GUY TRUEAX, AL MARIANO, LORETTA WILLIAMS, KEE CHEE, DEAN CHEE, WAYNE  
YOUNELLA, HENRY SHORTHAIR

NAME: T. Rehm

TITLE: En. Tech-1

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

Page : 2 of 2  
Date : 09/17/07

1245 > @ MAIN EQUIPMENT YARD, BEGAN SWIPES ON ALL EQUIPMENT, MACHINERY.

(1) FUEL TANK #1993 (#106) (2) TRAVEL TRAILORS #1 CONFORT (3) TRAILER #2 (Gulfstream)  
(4) GENERATOR (#LT-4) (5) 250 Gal. #337 (6) STORAGE TRAILOR (7) 4000 Gal H2O Truck.  
(8) SCRAPER #863 (Rown) (9) Steam CLEANER Truck (2 1/2 TON) (10) Porta-John #334L

1346 HRS > @ North of NA-175 SPILLWAY (11) ERNEST G. UNIT (12) BACKHOE #26

\* BEGAN SCANNING AREA OF SPILLWAY (Kee Chee @ Area)

- READINGS @  $3.83 \text{ E}^3$ ,  $4.26 \text{ E}^3$ ,  $382 \text{ E}^3$ ,  $4.26 \text{ E}^3$ .

1355 > (13) FUEL TRUCK #6-157 (14) 4000 H2O TRUCK (15) 858 SCRAPER.

(16) STEAM CLEANER TRUCK (17) HENRY S. TRAVEL TRAILOR #194. (18) ACCESS TRAILOR.

1430 > CARL HOLIDAY H.P. DEPARTS FOR S/R. (19) UNIT 391345 - (20) GENERATOR LT-4

(21) F-250 3/4 Ford > JACK BOYD.

1510 HRS > COMPLETED W/ WEEKLY SWIPES

1520 > PM AIR SAMPLE @ W.P. 2, 50' NORTH.

- @ W.P. 2 #788 DOZER op. DRAW CHEE, SCRAPER 860 > GUY TRUEAX.

ACTUAL CFM = 3.8 FLOW RAK = 107.6 VOL. PULLED =  $3.77 \text{ E}^6$ .

1600 > COMPLETED 35 MIN. AIR SAMPLE, DEPART FOR A/C

- ASSIST IN SWIPES/FNSKOUTS / UNRESTRICTED RELEASES

1620 > DEPART SITE FOR F AML. C

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: TUESDAY 09-16-97

MINE/PROJECT NAME: Cp-3, NA-180

DURATION OF VISIT: 0715 hrs - 1630

PURPOSE OF VISIT: H.P. Monitor, Radiometrics, Verifications.

(NOTE: CHANGE OF WORKING HOURS, STARTING TIME FROM 0700 hrs TO 0730 hrs)

Weather - Cloudy, Breezy easterly.

OBSERVATIONS: 0715 hrs > Arrived @ Cp-3, NA-180 w/BEN Z. & GUY HORSEN.

- BEGAN Q.C. ON ALL INSTRUMENTS, BKGDNG(<sup>✓</sup>'S), ACCESS LOGS, etc.

(Road Condition on 0730 BIA Service Road slick & muddy.)

0720 > TSEYI OPERATORS depart yard for NA-180, W.P. II & Pit Area.

- ASSIGNED BEN Z. TO MONITOR SITE / GUY H. TO A/C.

- WE ARE RUNNING LOW ON SWIPES, NEED ALSO FILTERS TO RADE CO. 710).

- BEGAN CATCH-UP ON REPORTS @ ACCESS CONTROL.

0840 HRS > ON SITE @ W.P. 2 WEST END. @ W.P. 2 - D-9 788 w/2000 9701-

- H<sub>2</sub>O TRUCK (Op. Alfred Mariano)

0850 > BEGAN AM AIR SAMPLE 50' West of W.P. 2. (ST-0850 END-0925)

① ACTUAL CF.M. 3.8 ② FLOW RATE 107.6 Vol. Pilled = 377 E6.

0930 hrs > Completed verifications on W.P. #2 - 788 E<sup>3</sup>, 829 E<sup>3</sup>, 687 E<sup>3</sup>

5.64 E<sup>3</sup>, 303 E<sup>3</sup>, 3.14 E<sup>3</sup> @ North Corner @ 210 E<sup>4</sup>, 215 E<sup>4</sup>, 210 E<sup>4</sup>.

0922 hrs > Scraper # 858 back in service.

1100 hrs > VERIFY W.P. #02, D-9 #788 IDLE FOR THE TIME BEING.

- Scrapers # 860, 858 PUSHING W.P. II, 4.30 E<sup>3</sup>, 5.60 E<sup>3</sup>, 5.10 E<sup>3</sup>, 4.80 E<sup>3</sup>

FOLLOW UP: 6.70 E<sup>3</sup>, 7.38 E<sup>3</sup>, 6.38 E<sup>3</sup>, 1.10 E<sup>4</sup>, 1.11 E<sup>4</sup>, 868 E<sup>3</sup>.

1200 Hrs > LUNCH @ A.C. ALL PERSONNEL. - SCANNED W.P. 2 AGAIN w/BER.

- MATERIAL NOT ELEVATED > 403 E<sup>3</sup>, 398 E<sup>3</sup>, 4.13 E<sup>3</sup>, 5.06 E<sup>3</sup>, 4.68 E<sup>3</sup>, 5.68 E<sup>3</sup>.

1300 HRS > BACK ON SITE @ EAST BOUNDARY, BOTH SCRAPERS @ W.P. II

- 2000 Gal. H<sub>2</sub>O TRUCK @ PIT > AL. MARIANO. D-9 R (idle)

CONTACTS: L.C. BEGAY, ERNEST GREYYES, BEN ZAHNE, GUY HORSEN, KEE CHEE,  
DEAN CHEE, HENRY SHORTHAIR, GUY TWEX, WAYNE YONCILLA - ~~BENZ~~  
Alfred Mariano, Loretta Williams.

NAME: T. Delmar CR

TITLE: En. Tech I

MINE SITE VISIT REPORT  
Navajo AML Reclamation Department

ge : 2 of 2  
te : 09/16/07

- D-9 #788 Idle @ DESIGNATED EQUIPMENT PARKING AREA, @ N.W. OF A.C.
- 30 HRS > L.C. BEGAY REC SPEC. I departs NA-180 BACK TO F AML.
- L.C. B. ADVISED ERNEST to CHECK w/ BIA SERVICE ROAD CREW ON ROUTE 6730.
- REGARDING SERVICE ROAD, HEAVY RAIN THIS WEEK CAUSES WASH OUTS.
- 200 > ERNEST G. ARRIVES BACK @ ACCESS CONTROL.
- 315 > P.M. Air Sample @ Northend of W.P. # II, D9 #788 IN VICINITY.
  - Op. KEE CHEE, Scraper #860 > Guy THREEK, #858 > Dean CHEE.
  - 2000 Gal H2O TRUCK > A.J. MARIANO.
- 600 > SHUT-DOWN FOR THE DAY, ALL MACHINERY HEAD TO A.C. (Designated Area)
  - BACK @ A/C TO ASSIST IN SWIPES / FRISCOUTS, etc.
- 620 > Depart NA-180 for F AML w/ Ben & Guy., Ernest Departs.

CX

\* Area of Work @ W.P. II to Pit.

- Route 6730 BIA Service Road - #502 Grader Blade
- Due to heavy rains.

CX

MINE SITE VISIT REPORT  
NAVAJO AMLR DEPARTMENT

DATE(S) OF VISIT: MONDAY 9-15-97  
MINE/PROJECT NAME: CP-3, NA-180  
DURATION OF VISIT: 0634 HRS. - 1600 hrs  
PURPOSE OF VISIT: H.P. MONITOR, RADIOMETRICS, VERIFICATIONS.

Weather > Overcast, Drizzling Rain, Breezy Easterly.

OBSERVATIONS: 0634 > Arrived @ A/C, NA-180. TSEYI PERSONNEL @ YARD.  
- INCLUDE KEE CHEE, HENRY SHORTHAIR, JACK BOYD, GUY TRUEAX, DEAN CHEE.  
0710 > 2000 Gal. #9701 Arrives from MAIN EQUIPMENT YARD, NA-175-North.  
- Loretta Williams Arrive, D-9# 788 > Kee Chee depart A/C For NA-180.  
- SCRAPPERS #860 > GUY TRUEAX, BACKHOE #426 > WAYNE YOUNELLA.

- Topic For the DAY, DISCUSSED TIME STARTING FROM 0600hrs TO 0730hrs  
- DUE to DARKNESS @ 0700. (NEED More SWIPES, Running Low) ...  
0740 Hrs > Completed Q.C. ON ESP-2 #803, A.C. 37 #818.  
- GUY Horsen ASSIGNED TO A/C DOING UNRESTRICTED RELEASES.  
0800 hrs > ON SITE @ NA-180, BEGAN SOME VERIFICATION @ W.P. I  
- Readings @ 7.80E<sup>3</sup>, 8.90E<sup>3</sup>, 4.26E<sup>3</sup>, 5.10E<sup>3</sup>, 6.28E<sup>3</sup>, 6.80E<sup>3</sup>, 5.60E<sup>3</sup>  
- BEN ZAHNE Doing AM Air Sampling 50' North of W.P. I.  
- D-9# 788 @ W.P. #01(Op. KeeChee) SCRAPER #858 (Op. Dean Chee) ALSO @W.P.I.  
- SCRAPER #860 IN PIT VICINITY (Op. Guy Trueax)  
- ERNEST GREYEYES @ WEST ABOVE MAIN PIT AREA. HENRY SHORTHAIR

FOLLOW-UP: Blading 6730 Access Detour Road. (Grader Blade #502)

0840 > 4000 Gal. Truck RETURN > Loretta Williams..

0900 > 2000 Gal. ON ACCESS ROAD.

- 4000 Gal. @ A/C For Another H2O run to WATER POND.

0940 Hrs > D-9# 788, Both Scrappers Switches to W.P. 2 Area. →

CONTACTS: JACK BOYD, ERNEST GREYEYES, BEN ZAHNE, KEE CHEE, GUY HORSEN  
GUY TRUEAX, DEAN CHEE, ALFRED MARIANO, LORETTA WILLIAMS, HENRY SHORTHAIR  
L.C. BEGAY.

NAME: T. Delmar CK

TITLE: En. Tech #9